



**CITY OF GARDEN GROVE**  
**FIRE DEPARTMENT**

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September 24, 2015

Manasi Chavan  
VERTEX

Records Search for 13612 Harbor Blvd. Garden Grove, CA 92843

Dear Ms. Chavan:

Enclosed are the records found concerning the history of the above-mentioned site(s), especially as it pertains to fire code violation history, permits, the use, storage, or disposal of hazardous substances, and the installation or removal of underground flammable or combustible liquid storage tanks.

The City of Garden Grove Fire Department has utilized its best efforts to locate the records requested. However, the City makes no representation as to the accuracy of the records or that all records requested were retained or located. The City does not provide records on spills, leaks or clean-up, as that information is provided through the County of Orange Health Dept.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nate Brady', written over a white background.

Nate Brady  
Division Chief/Fire Marshal

A handwritten signature in black ink, appearing to read 'Thanh Nguyen', written over a white background.

By: Thanh Nguyen  
Fire Captain/Senior Fire Protection Specialist



**GARDEN GROVE FIRE DEPARTMENT  
ENVIRONMENTAL PROTECTION SECTION**

11301 Acacia Parkway  
Garden Grove, CA 92840  
Business: 714 741-5600 Haz Mat: 714 741-5636

**Hazardous Materials Business Emergency Plan And  
Inventory Certification Statement**

Business Name: 1 DAY PAINT & BODY Telephone: 714) 534-6411  
Site Address: 13612 HARBOR BLVD CA 92843 Zip Code: 92843

The California Health & Safety Code, Division 20, Chapter 6.95, Section 25505(c) and Section 25503.3(c) provide the following:

A business that handles hazardous materials shall review AND certify their Hazardous Materials Business Emergency Plan (HMBEP) once every three years from the date of acceptance by the Garden Grove Fire Department. A business may comply with the annual chemical inventory reporting requirement by submitting a certification statement to the Garden Grove Fire Department. **A business may not utilize this certification to meet the annual inventory submission requirements of the Emergency Planning and Community Right to Know Act (Section 11022, Title 42, United States Code).**

Note: A business may comply with the annual inventory reporting requirements using this certification statement if both of the following apply:

1. The business has previously filed an inventory reporting form and;
2. The business attests to the following:
  - The information contained in the annual inventory form most recently submitted to the Garden Grove Fire Department is complete, accurate, and up to date.
  - There has been no change in the quantity of any hazardous material as reported in the most recently submitted annual inventory form.
  - No hazardous material subject to the inventory requirements is being handled that is not listed on the most recently submitted annual inventory form.

THIS IS TO CERTIFY THAT THE HMBEP AND/OR CHEMICAL INVENTORY HAS BEEN REVIEWED.  
(Please check applicable boxes.)

- No changes are required to the HMBEP submitted to the Garden Grove Fire Department.
- All the necessary changes/revisions have been made to the HMBEP. The changes/revisions are attached to this certification.
- No changes are required to the chemical inventory that was previously on file with the Garden Grove Fire Department.
- All the necessary changes/revisions have been made to the chemical inventory. The changes/revisions are attached to this certification.

AS AN AUTHORIZED REPRESENTATIVE, I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED AND BELIEVE THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

Print Name R.M. Moe

Signature [Handwritten Signature]

Job Title MANAGER / SALES

Date 04-29-2009



**GARDEN GROVE FIRE DEPARTMENT  
ENVIRONMENTAL PROTECTION SECTION**

11301 Acacia Parkway  
Garden Grove, CA 92840  
Business: 714 741-5600 Haz Mat: 714 741-5636

**Hazardous Materials Business Emergency Plan And  
Inventory Certification Statement**

Business Name: 1 DAY PAINT + BODY

Telephone: (714) 534-6411

Site Address: 13612 HARBOR BLVD.

Zip Code: 92643

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Print Name ROBERTO SIMENER

Signature Roberto Jimenez

Job Title AREA MANAGER

Date 5/24/06



# CITY OF GARDEN GROVE FIRE DEPARTMENT

11301 Acacia Parkway, Garden Grove, CA 92842 (714) 741-5600 (714) 741-5636

FORM 1

## Hazardous Materials Business Information Form

Page \_\_\_ of \_\_\_ 3

### BUSINESS INFORMATION

FACILITY # (Supplied by GGFD)	3 0 0 3 5 0 0 2 6 6 2	BEGINNING DATE	1	ENDING DATE	2
BUSINESS NAME	1-Day Paint & Body Centers, Inc.			BUSINESS PHONE	5
BUSINESS SITE ADDRESS	13612 Harbor Blvd.				6
CITY	GARDEN GROVE	STATE	CA	ZIP	92643
DUN & BRADSTREET	10	SIC CODE (4 DIGIT #)	7551	FIRE DISTRICT	Garden Grove
COUNTY	ORANGE				13
BUSINESS OPERATOR NAME	1-Day Paint & Body Centers, Inc.			15	

### BUSINESS OWNER

OWNER NAME	1-Day Paint & Body Centers Inc.			17
OW	18			
CITY	TORR	STATE	Ca.	21

### ENVIRONMENTAL CONTACT

CONTACT NAME	Wiley Langford			22
CONTACT MAIL	24			
CIT		STATE	Ca.	27

### PRIMARY

### EMERGENCY CONTACTS

### SECONDARY

NAME	Wiley Langford	28	NAME	Armando Uribe	33
TITLE	Dir. of H.R.	29	TITLE	President	34
BUS		30	BUSINESS		35
24-HR PHONE		31	24-HI		36
PAG		32	PAGER #		37

### ADDITIONAL LOCALLY COLLECTED INFORMATION

DESCRIBE THE TYPE OF BUSINESS OPERATION:	Auto Painting & Auto Body Repairing	38	TOTAL # OF EMPLOYEES	9	39
BILLING ADDRESS (IF DIFFERENT FROM ABOVE)	Same	40	ATTENTION	Wiley Langford	41
PROPERTY OWNER NAME	MNM Partnership	42			44
Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.					
SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	Wiley Langford	45	DATE	11-29-04	46
NAME OF SIGNER (print)	Wiley Langford	47	NAME OF DOCUMENT PREPARER (print)	Wiley Langford	49
TITLE OF SIGNER	Dir. of H.R.	48	TITLE OF DOCUMENT PREPARER	Dir. of H.R.	50



# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD  DELETE  REVISED 1

Page 1 of 3 2

FACILITY ID#	30035002662	BUSINESS NAME	1-Dax Paint & Body Centers, Inc.
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	main shop Area		
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MAP#	1
GRID#	K-6, J-6, K-4, B-5		

## II. CHEMICAL INFORMATION

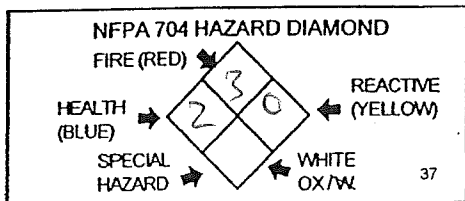
CHEMICAL NAME	WASTE <input type="checkbox"/> Yes	TRADE SECRET <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
LOW Vol Sol-Base Mixing System		* If EPCRA see instructions
COMMON NAME	An EHS Chemical <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Paint	* If EHS is "Yes", all amounts must be LBS	
CAS #	FIRE CODE HAZARD CLASSES (supplied by GGFD)	
67-64-1		
TYPE (Check one item only)	RADIOACTIVE <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CURIES
<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE		
PHYSICAL STATE (Check one item only)	FED HAZARD CATEGORIES	
<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	<input checked="" type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE	
	<input checked="" type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH	
AVERAGE DAILY AMOUNT	MAXIMUM DAILY AMOUNT	ANNUAL WASTE AMOUNT
75	100	
UNITS	DAYS ON SITE	LARGEST CONTAINER
<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	365	1 Gal
STORAGE CONTAINER (Check all that apply)		
<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input checked="" type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY	<input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S) <input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP <input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER
STORAGE PRESSURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT	
STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC	

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
0-15	Acetone	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	67-64-1
0-10	Toluene	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	108-88-3
0-25	Xylene	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1330-20-7
0-3	Ethyl Benzene	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	100-41-4
0-2	Ethyl Sixcol Butyl Ether	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	111-76-2

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

## PLACARDING INFORMATION

UNDOT #	12963	33
Refer to shipping papers or MSDS		
DOT HAZARD CLASS		34
Refer to shipping papers or MSDS		
EPCRA	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	35
X		36
If EPCRA, Please Sign Here		



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED



# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD  DELETE  REVISED 1

Page 3 of 3 2

FACILITY ID#	30035002662	BUSINESS NAME	1-Day Rinite Body Centers, Inc
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## I. FACILITY INFORMATION

CHEMICAL LOCATION	Body Shop Area		
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MAP #	1
GRID #	K-6, L-6		

## II. CHEMICAL INFORMATION

CHEMICAL NAME	Oxygen	WASTE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
COMMON NAME	Oxygen	* If EPCRA see instructions			
CAS #	07782447	FIRE CODE HAZARD CLASSES (supplied by GGFD)	Oxidizer		
TYPE (Check one item only)	<input checked="" type="checkbox"/> a. PURE <input type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	RADIOACTIVE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CURIES	
PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input type="checkbox"/> b. LIQUID <input checked="" type="checkbox"/> c. GAS	FED HAZARD CATEGORIES	<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input checked="" type="checkbox"/> c. PRESSURE RELEASE	<input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH	
AVERAGE DAILY AMOUNT	125	MAXIMUM DAILY AMOUNT	249	ANNUAL WASTE AMOUNT	STATE WASTE CODE
UNITS	<input type="checkbox"/> a. GALLONS <input checked="" type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	DAYS ON SITE	365	LARGEST CONTAINER	
STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY	<input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S)	<input checked="" type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER
STORAGE PRESSURE	<input type="checkbox"/> a. AMBIENT <input checked="" type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT				
STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC				

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
100	Oxygen	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	07782447
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

## PLACARDING INFORMATION

UNDOT #	1072	Refer to shipping papers or MSDS
DOT HAZARD CLASS	2.2	Refer to shipping papers or MSDS
EPCRA	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
X		If EPCRA, Please Sign Here

NFPA 704 HAZARD DIAMOND

HEALTH (BLUE) 0, FIRE (RED) 0, REACTIVE (YELLOW) 0, SPECIAL HAZARD 0, WHITE OX/W 0

**MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED**



# HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD  DELETE  REVISED 1

Page 2 of 3 2

FACILITY ID#	30035002662	BUSINESS NAME	1-Day Paints Body Centers, Inc.
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### I. FACILITY INFORMATION

CHEMICAL LOCATION	Paint Shop Area		
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MAP #	1
GRID #	K-4, K-5		

### II. CHEMICAL INFORMATION

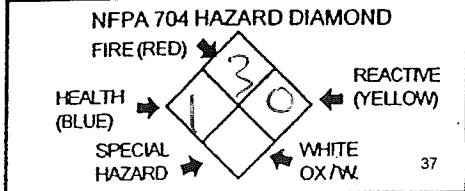
CHEMICAL NAME	Liquid waste	WASTE	<input checked="" type="checkbox"/> Yes	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
COMMON NAME	Liquid waste	An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	*If EHS is "Yes", all amounts must be LBS	
CAS #	67-64-1	FIRE CODE HAZARD CLASSES (supplied by GGFD)	Flammable Liquid		
TYPE (Check one item only)	<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	RADIOACTIVE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CURIES	
PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	FED HAZARD CATEGORIES	<input checked="" type="checkbox"/> d. ACUTE HEALTH	<input type="checkbox"/> e. CHRONIC HEALTH	
AVERAGE DAILY AMOUNT	55 Gal.	MAXIMUM DAILY AMOUNT	110 Gal.	ANNUAL WASTE AMOUNT	275 Gal.
UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	DAYS ON SITE	365	LARGEST CONTAINER	
STORAGE CONTAINER (Check all that apply)	<input checked="" type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> i. VAT <input type="checkbox"/> m. CYLINDER <input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> h. CARBOY <input type="checkbox"/> l. BOX(S) <input type="checkbox"/> p. IN MACH OR EQUIP <input type="checkbox"/> t. OTHER			
STORAGE PRESSURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT				
STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC				

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
0-15 <sup>29</sup>	acetone	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	67-64-1
0-10 <sup>29</sup>	Toluene	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	108-88-3
0-25 <sup>29</sup>	Xylene	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1330-20-7
0-3 <sup>29</sup>	Ethyl Benzene	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	100-41-4
0-2 <sup>29</sup>	Ethyl Silycol Butyl Ether	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	111-76-2

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

### PLACARDING INFORMATION

UNDOT #	_____	33
Refer to shipping papers or MSDS		
DOT HAZARD CLASS	214	34
Refer to shipping papers or MSDS		
EPCRA	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	35
X	_____	36
If EPCRA, Please Sign Here		



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**DuPont Performance Coatings**  
**MATERIAL SAFETY DATA SHEET**  
**NASON TINTS, TONERS AND BINDERS**

**SECTION 1 - Product and Company Identification**

Manufacturer: E.I. DuPont de Nemours & Co.  
 DuPont Performance Coatings  
 Wilmington, DE, 19898

Telephone: Product Information: (800) 441-7515  
 Medical Emergency: (800) 441-3637  
 Transportation Emergency: (800) 424-9300  
 (CHEMTREC)

Product: **NASON TINTS, TONERS AND BINDERS**

DOT Shipping Name: See DOT addendum.

Hazardous Materials Information: See Section 10.

Metal Dust  
 AI  
 O 15.0 mg/  
 Metal Dust  
 AI

ANTHRAQUINONE PIGMENT Not Avail None A 10.0 mg/l  
 O None

AROMATIC HYDROCARBON-A 64742-94-5 10.0 D 100.0 ppm  
 A None  
 O None

AROMATIC HYDROCARBON-B 64742-95-6 10.0 @ 25.0° C D 50.0 ppm  
 A None  
 O None

**SECTION 2 - Composition, Information on Ingredients**

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS				
ACETONE	67-64-1	180.0@68.0°F	A 750.0 ppm 15 min STEL A 500.0 ppm O 1000.0 ppm D 500.0 ppm 8 & 12 hour TWA	AROMATIC NAPHTHA	68477-31-6	1.0	A None O None
ACRYLIC POLYMER-A	Not Avail	5.0 @ 25.0°C	A None O None	BARIUM SULFATE	7727-43-7	None	D 10.0 mg/m <sup>3</sup> A 10.0 mg/m <sup>3</sup> Total Dust O 15.0 mg/m <sup>3</sup> Total Dust O 5.0 mg/m <sup>3</sup> Respirable Dus
ACRYLIC POLYMER-B	69215-54-9	None	A None O None	BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERDINYL) SEBACATE	41556-26-7	None	A None O None
ACRYLIC POLYMER-C	96591-17-2	None	A None O None	BUTYL ACETATE	123-86-4	10.0	A 200.0 ppm 15 min STEL A 150.0 ppm O 150.0 ppm
ALKYD RESIN-A	Not Avail	None	A None O None	C.I. PIGMENT BLUE 15:2	68987-63-3	None	A None O None
ALKYD RESIN-C	67763-06-8	None	A None O None	CARBAZOLE VIOLET PIGMENT	Not Avail	None	A None O None
ALKYD RESIN-D	68071-84-1	None	A None O None	CARBON BLACK	1333-86-4	None	A 3.5 mg/m <sup>3</sup> O 3.5 mg/m <sup>3</sup> D 0.5 mg/m <sup>3</sup> 8 & 12 hour TWA
LUMINUM	7429-90-5	10.0 @ 25.0°C	A 10.0 mg/m <sup>3</sup> O None	CELLULOSE ACETATE BUTYRATE	9004-36-8	None	A None O None
LUMINUM BENZOATE	555-32-8	None	A 15.0 mg/m <sup>3</sup>	CHROMIUM(III) OXIDE (2:3)			



**MSDS 28-5**  
**January 1, 2002**

	1308-38-9	None	A 0.5 mg/m <sup>3</sup> Cr O 0.5 mg/m <sup>3</sup> Cr	LEAD CHROMATE MOLYBDATE	12656-85-8	None	O 50.0 ug/m <sup>3</sup> Pb
KETOPYRROLOPYRROL RED PIGMENT	Not Avail	None	A None O None				O 1.0 mg/m <sup>3</sup> CEIL Cr A 12.0 ug/m <sup>3</sup> Cr A 50.0 ug/m <sup>3</sup> Pb O 50.0 ug/m <sup>3</sup> Pb
OXAZINE CARBOZOLE PIGMENT	4378-61-4	None	A 10.0 mg/m <sup>3</sup> O 15.0 mg/m <sup>3</sup> O 5.0 mg/m <sup>3</sup> Respirable	MEDIUM MINERAL SPIRITS	64742-88-7	10.0	D 100.0 ppm A None O None
HYL ACETATE	141-78-6	76.0	A 400.0 ppm O 400.0 ppm	METHYL AMYL KETONE	110-43-0	2.1	A 50.0 ppm O 100.0 ppm
HYL 3-ETHOXY PROPIONATE	763-69-9	None	A None O None	METHYL ETHYL KETONE	78-93-3	71.0 @ 0.0	A 300.0 ppm 15 min STEL D 300.0 ppm 15 min TWA A 200.0 ppm O 200.0 ppm D 200.0 ppm 8 & 12 hour TWA
HYLBENZENE	100-41-4	7.0	A 125.0 ppm 15 min STEL A 100.0 ppm O 100.0 ppm D 25.0 ppm 8 & 12 hour TWA	METHYL ISOBUTYL KETONE	108-10-1	15.0	A 75.0 ppm 15 min STEL A 50.0 ppm O 100.0 ppm
HYLENE GLYCOL MONOBUTYL ETHER ACETATE	112-07-2	0.3	D 10.0 ppm Skin A None O None	MICA	12001-26-2	None	A 3.0 mg/m <sup>3</sup> Respirable Mass O None
HYLENE GLYCOL MONOBUTYLETHER	111-76-2	0.6	D 5.0 ppm Skin A 20.0 ppm Skin O 50.0 ppm Skin	MICA COATED WITH TIO2	Not Avail	None	A 3.0 mg/m <sup>3</sup> Respirable Mica O 3.0 mg/m <sup>3</sup> Respirable Mica
IRON OXIDE	1309-37-1	None	A 5.0 mg/m <sup>3</sup> O 10.0 mg/m <sup>3</sup>	MONOAZO PIGMENT	12236-62-3	None	A 10.0 mg/m <sup>3</sup> O None
INDOLINONE PIGMENT-A	36888-99-0	None	A None O None	PERYLENE MAROON	5521-31-3	None	A 10.0 mg/m <sup>3</sup> O 15.0 mg/m <sup>3</sup> O 5.0 mg/m <sup>3</sup> Respirable
INDOLINONE PIGMENT-B	106276-80-6	None	A None O None	PERYLENE PIGMENT	128-69-8	None	A 10.0 mg/m <sup>3</sup> O None
LEAD CHROMATE	18454-12-1	None	O 1.0 mg/m <sup>3</sup> CEIL Cr A 12.0 ug/m <sup>3</sup> Cr A 50.0 ug/m <sup>3</sup> Pb				

# MSDS 28-5

January 1, 2002

Chemical Name	Product No.	Concentration	Exposure Limits	Other	Respirable particle
PETROLEUM NAPHTHA	64742-89-8	50.0 @ 25.0°C	O 400.0 ppm 15 min STEL D 100.0 ppm A 300.0 ppm O 300.0 ppm		
QUINACRIDONEQUINONE GOLD	1503-48-6			None	A None O None
PHTHALOCYANINE BLUE PIGMENT	147-14-8	None	O 5.0 mg/m <sup>3</sup> TWA Respirable PNOR O 15.0 mg/m <sup>3</sup> Total Dust PNOR A 10.0 mg/m <sup>3</sup> Inhalable particu PNOC A 3.0 mg/m <sup>3</sup> Respirable partic PNOC		A 10.0 mg/ O None
QUINOPHTHALONE YELLOW PIGMENT	30125-47-4			None	
STODDARD SOLVENT	8052-41-3			None	A 100.0 ppi O 100.0 ppi D 50.0 ppr 8 & 12 hour TWA
PHTHALOCYANINE GREEN PIGMENT	14302-13-7	None	A None O None		
SUBSTITUTED BENZOTRIAZOLE	25973-55-1			None	A None O None
PIGMENT RED 202	3089-17-6	None	O 15.0 mg/m <sup>3</sup> Total Dust PNOR O 5.0 mg/m <sup>3</sup> Respirable Dust PNOR A 3.0 mg/m <sup>3</sup> Particulate		A 10.0 mg/r O Nonè
TETRACHLOROISONSOLINONE YELLOW PIGMENT	5590-18-1			None	
TITANIUM DIOXIDE	13463-67-7			None	A 10.0 mg/n D 5.0 mg/m Respirable D 10.0 mg/r Total Dust O 15.0 mg/n Total Dust
POLYESTER RESIN-B	68604-67-1	None	A None O None		
TOLUENE	108-88-3	22.0			O 300.0 ppr CEIL O 200.0 ppr D 50.0 ppm 8 & 12 hour TWA A 50.0 ppm Skin O 500.0 ppr 10 min TWA Maximum
POLYOL RESIN	Not Avail	None	A None O None		
POLYVINYL BUTYRALDEHYDE	68648-78-2	None	O 15.0 mg/m <sup>3</sup> O 15.0 mg/m <sup>3</sup> Respirable A None		
VM&P NAPHTHA	64742-89-8	12.0			O 400.0 ppm 15 min STEL D 100.0 ppm A 300.0 ppm O 300.0 ppm
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	3.7	D 10.0 ppm 12 hr TWA A None O None		
XYLENE	1330-20-7	9.0 @ 25.0°C			A 100.0 ppm TWA A 150.0 ppm 15 min STEL D 150.0 ppm 15 min STEL O 100.0 ppm D 100.0 ppm 8 & 12 hour TWA
QUINACRIDONE PIGMENT	1047-16-1	None	O 15.0 mg/m <sup>3</sup> Total Dust PNOR A 10.0 mg/m <sup>3</sup> Inhalable particle A 3.0 mg/m <sup>3</sup>		

4-TRIMETHYL BENZENE

95-63-6 7.0 @ 44.4°C A 25.0 ppm  
O 25.0 ppm

ACGIH, O=OSHA, D=DuPont, S=Suppliers. Limits are 8 hour TWA unless otherwise specified. Vapor pressure @25°C unless otherwise noted.

**SECTION 3 - Hazards Information**

**Respiratory Health Effects:**

**Irritation:**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**Ingestion:**

May result in gastrointestinal distress.

**1 or eye contact:**

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

**Other Potential Health Effects in addition to those listed above:**

**SKIN IRRITATION:**

May cause irritation of the mucous membranes. The following medical conditions may be aggravated by exposure: respiratory system skin. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Overexposure may cause damage to any of the following organs/systems: blood eyes kidneys liver respiratory system skin. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Material may be harmful or fatal if swallowed. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

**RESPIRATORY POLYMER-A**

May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision.

**ALIPHATIC HYDROCARBON-A**

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

**ALIPHATIC HYDROCARBON-B**

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

**ALIPHATIC NAPHTHA**

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

**BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERDINYL) SEBACATE**

Repeated exposure may cause allergic skin rash, itching, swelling.

**BUTYL ACETATE**

May cause abnormal liver function. The following medical conditions may be aggravated by exposure: respiratory system. May cause eye irritation with discomfort, tearing, or blurred vision. Tests for embryotoxic activity in animals has been inconclusive. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

**CARBON BLACK**

Is an IARC, NTP or OSHA carcinogen.

**ETHYL ACETATE**

Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs.

**ETHYL 3-ETHOXY PROPIONATE**

Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

**ETHYLBENZENE**

Is an IARC, NTP or OSHA carcinogen. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system kidneys liver lungs. Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects.

**ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE**

May destroy red blood cells. May cause abnormal kidney function. May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. The following medical conditions may be aggravated by exposure: central nervous system gastrointestinal system kidneys liver Dermatitis. Can be absorbed through the skin in harmful amounts. Overexposure may cause damage to any of the following organs/systems: blood kidneys liver. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

**ETHYLENE GLYCOL MONOBUTYLETHER**

Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

**LEAD CHROMATE**

Is an IARC, NTP or OSHA carcinogen. Over exposure to lead may cause adverse effects to the blood forming, nervous, urinary, reproductive systems including embryotoxic effects. Symptoms may include loss of appetite, anemia, disturbance of sleep and fatigue. See OSHA lead standard 29CFR1910.1025. For exposures longer than 8 hours the OSHA exposure limit is reduced by this formula: limit(in ug/m3)= 400/hours worked in the day. WARNING: This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm

**DuPont Performance Coatings  
MATERIAL SAFETY DATA SHEET  
NASON TINTS, TONERS AND BINDERS**

**SECTION 1 - Product and Company Identification**

Manufacturer: E.I. DuPont de Nemours & Co.  
DuPont Performance Coatings  
Wilmington, DE, 19898

Telephone: Product Information: (800) 441-7515  
Medical Emergency: (800) 441-3637  
Transportation Emergency: (800) 424-9300  
(CHEMTREC)

Product: **NASON TINTS, TONERS AND BINDERS**

DOT Shipping Name: See DOT addendum.

Hazardous Materials Information: See Section 10.

Metal Dust  
AI  
O 15.0 mg/  
Metal Dust  
AI

ANTHRAQUINONE PIGMENT	Not Avail	None	A 10.0 mg/l O None
AROMATIC HYDROCARBON-A	64742-94-5	10.0	D 100.0 ppm A None O None
AROMATIC HYDROCARBON-B	64742-95-6	10.0 @ 25.0° C	D 50.0 ppm A None O None
AROMATIC NAPHTHA	68477-31-6	1.0	A None O None
BARIUM SULFATE	7727-43-7	None	D 10.0 mg/m <sup>3</sup> A 10.0 mg/m <sup>3</sup> Total Dust O 15.0 mg/m <sup>3</sup> Total Dust O 5.0 mg/m <sup>3</sup> Respirable Dus
BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERDINYL) SEBACATE	41556-26-7	None	A None O None
BUTYL ACETATE	123-86-4	10.0	A 200.0 ppm 15 min STEL A 150.0 ppm O 150.0 ppm
C.I. PIGMENT BLUE 15:2	68987-63-3	None	A None O None
CARBAZOLE VIOLET PIGMENT	Not Avail	None	A None O None
CARBON BLACK	1333-86-4	None	A 3.5 mg/m <sup>3</sup> O 3.5 mg/m <sup>3</sup> D 0.5 mg/m <sup>3</sup> 8 & 12 hour TWA
CELLULOSE ACETATE BUTYRATE	9004-36-8	None	A None O None
CHROMIUM(III) OXIDE (2:3)			

**SECTION 2 - Composition, Information on Ingredients**

INGREDIENTS	CAS #	VAPOR PRESSURE	EXPOSURE LIMITS			
ACETONE	67-64-1	180.0@68.0°F	A 750.0 ppm 15 min STEL A 500.0 ppm O 1000.0 ppm D 500.0 ppm 8 & 12 hour TWA			
ACRYLIC POLYMER-A	Not Avail	5.0 @ 25.0°C	A None O None			
ACRYLIC POLYMER-B	69215-54-9	None	A None O None			
ACRYLIC POLYMER-C	96591-17-2	None	A None O None			
ALKYD RESIN-A	Not Avail	None	A None O None			
ALKYD RESIN-C	67763-06-8	None	A None O None			
ALKYD RESIN-D	68071-84-1	None	A None O None			
LUMINUM	7429-90-5	10.0 @ 25.0°C	A 10.0 mg/m <sup>3</sup> O None			
LUMINUM BENZOATE	555-32-8	None	A 15.0 mg/m <sup>3</sup>			

**ISDS 28-5**  
**January 1, 2002**

	1308-38-9	None	A 0.5 mg/m <sup>3</sup> Cr O 0.5 mg/m <sup>3</sup> Cr	LEAD CHROMATE MOLYBDATE	12656-85-8	None	O 50.0 ug/m <sup>3</sup> Pb
KETOPYRROLOPYRROL RED PIGMENT	Not Avail	None	A None O None				O 1.0 mg/m <sup>3</sup> CEIL Cr A 12.0 ug/m <sup>3</sup> Cr A 50.0 ug/m <sup>3</sup> Pb O 50.0 ug/m <sup>3</sup> Pb
OXAZINE CARBOZOLE PIGMENT	4378-61-4	None	A 10.0 mg/m <sup>3</sup> O 15.0 mg/m <sup>3</sup> O 5.0 mg/m <sup>3</sup> Respirable	MEDIUM MINERAL SPIRITS	64742-88-7	10.0	D 100.0 ppm A None O None
HYL ACETATE	141-78-6	76.0	A 400.0 ppm O 400.0 ppm	METHYL AMYL KETONE	110-43-0	2.1	A 50.0 ppm O 100.0 ppm
HYL 3-ETHOXY PROPIONATE	763-69-9	None	A None O None	METHYL ETHYL KETONE	78-93-3	71.0 @ 0.0	A 300.0 ppm 15 min STEL D 300.0 ppm 15 min TWA A 200.0 ppm O 200.0 ppm D 200.0 ppm 8 & 12 hour TWA
HYLBENZENE	100-41-4	7.0	A 125.0 ppm 15 min STEL A 100.0 ppm O 100.0 ppm D 25.0 ppm 8 & 12 hour TWA				
HYLENE GLYCOL MONOBUTYL ETHER ACETATE	112-07-2	0.3	D 10.0 ppm Skin A None O None	METHYL ISOBUTYL KETONE	108-10-1	15.0	A 75.0 ppm 15 min STEL A 50.0 ppm O 100.0 ppm
HYLENE GLYCOL MONOBUTYLETHER	111-76-2	0.6	D 5.0 ppm Skin A 20.0 ppm Skin O 50.0 ppm Skin	MICA	12001-26-2	None	A 3.0 mg/m <sup>3</sup> Respirable Mass O None
IRON OXIDE	1309-37-1	None	A 5.0 mg/m <sup>3</sup> O 10.0 mg/m <sup>3</sup>	MICA COATED WITH TIO2	Not Avail	None	A 3.0 mg/m <sup>3</sup> Respirable Mica O 3.0 mg/m <sup>3</sup> Respirable Mica
INDOLINONE PIGMENT-A	36888-99-0	None	A None O None	MONOAZO PIGMENT	12236-62-3	None	A 10.0 mg/m <sup>3</sup> O None
INDOLINONE PIGMENT-B	106276-80-6	None	A None O None	PERYLENE MAROON	5521-31-3	None	A 10.0 mg/m <sup>3</sup> O 15.0 mg/m <sup>3</sup> O 5.0 mg/m <sup>3</sup> Respirable
LEAD CHROMATE	18454-12-1	None	O 1.0 mg/m <sup>3</sup> CEIL Cr A 12.0 ug/m <sup>3</sup> Cr A 50.0 ug/m <sup>3</sup> Pb	PERYLENE PIGMENT	128-69-8	None	A 10.0 mg/m <sup>3</sup> O None

**MSDS 28-5**  
**January 1, 2002**

PETROLEUM NAPHTHA	64742-89-8	50.0 @ 25.0°C	O 400.0 ppm 15 min STEL D 100.0 ppm A 300.0 ppm O 300.0 ppm	QUINACRIDONEQUINONE GOLD	1503-48-6	None	A None O None	Respirable particle
PHthalocyanine BLUE PIGMENT	147-14-8	None	O 5.0 mg/m <sup>3</sup> TWA Respirable PNOR O 15.0 mg/m <sup>3</sup> Total Dust PNOR A 10.0 mg/m <sup>3</sup> Inhalable particu PNOC A 3.0 mg/m <sup>3</sup> Respirable partic PNOC	QUINOPHTHALONE YELLOW PIGMENT	30125-47-4	None	A 10.0 mg/ O None	
PHthalocyanine GREEN PIGMENT	14302-13-7	None	A None O None	STODDARD SOLVENT	8052-41-3	None	A 100.0 ppi O 100.0 ppi D 50.0 pppr 8 & 12 hour TWA	
PIGMENT RED 202	3089-17-6	None	O 15.0 mg/m <sup>3</sup> Total Dust PNOR O 5.0 mg/m <sup>3</sup> Respirable Dust PNOR A 3.0 mg/m <sup>3</sup> Particulate	SUBSTITUTED BENZOTRIAZOLE	25973-55-1	None	A None O None	
POLYESTER RESIN-B	68604-67-1	None	A None O None	TETRACHLOROISONSOLINONE YELLOW PIGMENT	5590-18-1	None	A 10.0 mg/r O None	
POLYOL RESIN	Not Avail	None	A None O None	TITANIUM DIOXIDE	13463-67-7	None	A 10.0 mg/n D 5.0 mg/m Respirable D 10.0 mg/r Total Dust O 15.0 mg/n Total Dust	
POLYVINYL BUTYRALDEHYDE	68648-78-2	None	O 15.0 mg/m <sup>3</sup> O 15.0 mg/m <sup>3</sup> Respirable A None	TOLUENE	108-88-3	22.0	O 300.0 ppt CEIL O 200.0 pppr D 50.0 ppm 8 & 12 hour TWA A 50.0 ppm Skin O 500.0 pppr 10 min TWA Maximum	
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	3.7	D 10.0 ppm 12 hr TWA A None O None	VM&P NAPHTHA	64742-89-8	12.0	O 400.0 ppm 15 min STEL D 100.0 ppm A 300.0 ppm O 300.0 ppm	
QUINACRIDONE PIGMENT	1047-16-1	None	O 15.0 mg/m <sup>3</sup> Total Dust PNOR A 10.0 mg/m <sup>3</sup> Inhalable particle A 3.0 mg/m <sup>3</sup>	XYLENE	1330-20-7	9.0 @ 25.0°C	A 100.0 ppm TWA A 150.0 ppm 15 min STEL D 150.0 ppm 15 min STEL O 100.0 ppm D 100.0 ppm 8 & 12 hour TWA	

# SDS 28-5

January 1, 2002

1,4-TRIMETHYL BENZENE

95-63-6 7.0 @ 44.4°C A 25.0 ppm  
O 25.0 ppm

ACGIH, O=OSHA, D=DuPont, S=Suppliers. Limits are 8 hour TWA unless otherwise specified. Vapor pressure @25°C unless otherwise noted.

## SECTION 3 - Hazards Information

### Potential Health Effects:

#### Inhalation:

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

#### Ingestion:

May result in gastrointestinal distress.

#### On or eye contact:

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

### Potential Health Effects in addition to those listed above:

#### 1,4-TRIMETHYL BENZENE

May cause irritation of the mucous membranes. The following medical conditions may be aggravated by exposure: respiratory system skin. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. Overexposure may cause damage to any of the following organs/systems: blood eyes kidneys liver respiratory system skin. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Material may be harmful or fatal if swallowed. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

#### 1,4-TRIMETHYL BENZENE

May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. Contact may cause skin irritation with discomfort or rash. May cause eye irritation with discomfort, tearing, or blurred vision.

#### 1,4-TRIMETHYL BENZENE

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

#### 1,4-TRIMETHYL BENZENE

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

#### 1,4-TRIMETHYL BENZENE

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

#### BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERDINYL) SEBACATE

Repeated exposure may cause allergic skin rash, itching, swelling.

#### BUTYL ACETATE

May cause abnormal liver function. The following medical conditions may be aggravated by exposure: respiratory system. May cause eye irritation with discomfort, tearing, or blurred vision. Tests for embryotoxic activity in animals has been inconclusive. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

#### CARBON BLACK

Is an IARC, NTP or OSHA carcinogen.

#### ETHYL ACETATE

Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs.

#### ETHYL 3-ETHOXY PROPIONATE

Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

#### ETHYLBENZENE

Is an IARC, NTP or OSHA carcinogen. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system kidneys liver lungs. Recurrent overexposure may result in liver and kidney injury. Studies in laboratory animals have shown reproductive, embryotoxic and developmental effects.

#### ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE

May destroy red blood cells. May cause abnormal kidney function. May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath. The following medical conditions may be aggravated by exposure: central nervous system gastrointestinal system kidneys liver. Dermatitis. Can be absorbed through the skin in harmful amounts. Overexposure may cause damage to any of the following organs/systems: blood kidneys liver. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

#### ETHYLENE GLYCOL MONOBUTYLETHER

Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

#### LEAD CHROMATE

Is an IARC, NTP or OSHA carcinogen. Over exposure to lead may cause adverse effects to the blood forming, nervous, urinary, reproductive systems including embryotoxic effects. Symptoms may include loss of appetite, anemia, disturbance of sleep and fatigue. See OSHA lead standard 29CFR1910.1025. For exposures longer than 8 hours the OSHA exposure limit is reduced by this formula: limit(in ug/m3)= 400/hours worked in the day. WARNING: This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm

# GARDEN GROVE



## FIRE DEPARTMENT

### HAZARDOUS MATERIALS DISCLOSURE PROGRAM

#### REPORTING FORMS PACKET: PART 2

#### BUSINESS EMERGENCY PLAN SHORT VERSION

THE FOLLOWING FORMS ARE FOR USE IN THE EVENT OF AN ACTUAL OR THREATENING HAZARDOUS MATERIALS EMERGENCY.

FILL THESE FORMS OUT COMPLETELY AND BE READY TO HAND THEM TO THE FIRE DEPARTMENT PERSONNEL WHEN THEY ARRIVE AT THE EMERGENCY SCENE.

IN THE EVENT OF AN EMERGENCY,

CALL 911



# GARDEN GROVE FIRE DEPARTMENT HAZARDOUS MATERIALS DISCLOSURE PROGRAM

## *BUSINESS EMERGENCY PLAN*

All businesses using, handling or storing hazardous materials that are required to disclose must complete a Business Emergency Plan. The occupancy groups listed below will be permitted to complete a short version of the business plan. The completion of the short form shall be considered the application required in the Health and Safety Code, Title 20, Chapter 6.95, Section 25503.5.

The Chief of the Garden Grove Fire Department in the role of the Administering Agency, allows the following types of businesses to file the short version of the Business Emergency Plan.

1. Gasoline/Diesel service stations. S-3 occupancies.
2. Repair Garages. H-4 occupancies.
3. Dry Cleaners
4. Businesses, at the Fire Chief's discretion, with less than 10 employees and using materials that are not considered highly or acutely toxic.

The Fire Chief exempts the following portions from the business plan. These exemptions have been established because the materials used in the above-mentioned occupancies are common knowledge to first responding units. The materials pose no significant, unexpected hazard nor do they affect the ability of the administering agency to effectively respond to their release of a hazardous material, and that there are unusual circumstances justifying this exemption.

### Exemptions

1. Detailed evacuation plans.
2. Detailed key employee responsibilities.
3. Training outline.
4. Detailed prevention outline.

The following Short Business Emergency Plan must be completed in order for the exemption to be granted.

GARDEN GROVE FIRE DEPARTMENT  
HAZARDOUS MATERIALS DISCLOSURE PROGRAM

*BUSINESS EMERGENCY PLAN*

Personnel Emergency Notifications and Responsibilities

Employee Evacuation and Staging Areas:

1. The type of alarm signal that will be used to initiate an evacuation at the facility: (vocal, paging system, manual alarm, etc.)

---

2. All employees shall be trained to evacuate the facility through at least one exit. Alternate exit routes shall be designated if available.

3. Staging areas shall be designated for all employees. Staging areas will be the location that all employees shall report to in the event of an emergency.

One person shall be designated to account for all personnel at the staging area. That person will be responsible for meeting the incoming Fire units and reporting the conditions known about the incident.

The Staging area is at the following location as shown on your site plan map.

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Employee Responsibilities:

At least one employee shall be responsible for the following minimum requirements in the event of an emergency response by the Fire Department.

1. Notify employees. Initiate evacuation procedures.
  2. Notify the Garden Grove Fire Department. Dial 911
  3. Try to identify the nature of the incident.
  4. Report to the staging area and account for evacuated employees.
  5. Report to the incoming fire units.
  6. Activate any emergency mitigation procedures that are available at your business. (List below any mitigation procedures specific to your business, if any.)
- 
-

# GARDEN GROVE FIRE DEPARTMENT HAZARDOUS MATERIALS DISCLOSURE PROGRAM

## *BUSINESS EMERGENCY PLAN*

### Personnel Emergency Notifications and Responsibilities

#### Training Requirements

State law requires training of employees where the business uses, handles or stores hazardous materials.

Employee training provided on:

- Appointment of person/persons on site who are trained in key role positions. Emergency coordinator, evacuation coordinators, staging area supervisors and documenting officers.
- Procedures to follow during a release or threatened release of a hazardous material (evacuation to staging areas).
- Information contained in material safety data sheets.
- Warning labels/placards.
- Safe work practices.
- Use of on site emergency equipment and supplies.
- Use and location of personal protective equipment.
- Any chemical, hazardous material or substance that could be encountered in his/her work area.
- On-site alarm system for evacuation.
- Discuss possible release of hazardous materials scenario.

#### Emergency Notifications

A handler of hazardous materials is required to immediately report any release or threatened release of hazardous materials to the Garden Grove Fire Department. Failure to do so may result in criminal and/or civil prosecution.

#### Required Notifications

In the event of a release or threatened release of hazardous materials, it is state law to notify each of the following agencies:

<u>Agency</u>	<u>Phone Numbers</u>
Garden Grove Fire Department, Police, Paramedics	911
Office of Emergency Services (OES)	(800) 852-7550 OR (916) 427-4341
National Response Center	(800) 424-8802

# GARDEN GROVE FIRE DEPARTMENT HAZARDOUS MATERIALS DISCLOSURE PROGRAM

## *BUSINESS EMERGENCY PLAN*

### Personnel Emergency Notifications and Responsibilities

#### Prevention

All materials are stored, used and handled within the guidelines of the Uniform Fire Code, N.F.P.A. standards, California Administrative Code, Titles 19 and 20.

This section is meant to initiate a Prevention Plan at your business and to assist in preventing a release, or threatened release, of a hazardous material. In the spaces provided, place a checkmark by the preventive actions which have been initiated by your business to abate hazards relating to hazardous material handling, use of storage.

#### Consideration shall include:

1. Drum storage and/or above ground tank storage areas:
  - a\_\_\_ Isolation and separation of incompatible materials
  - b\_\_\_ Diking areas to contain spills
  - c\_\_\_ Storage on paved ground
2. Compressed and/or cryogenic gas storage areas:
  - a\_\_\_ Cylinders stored upright and secured
  - b\_\_\_ Isolation and/or separation of incompatible cylinders (oxygen and flammable gases, etc.)
3. General:
  - a\_\_\_ Safe work practices are exercised in daily routines.
  - b\_\_\_ Employees who handle hazardous materials are properly trained.
  - c\_\_\_ Material Safety Data Sheets (MSDS) readily available for each hazardous material on the premises.
  - d\_\_\_ Labeling of all materials and storage areas with the product name and hazards associated with the product (drums, piping, tanks, etc.)
  - e\_\_\_ Uniform Fire Code (UFC) requires separation between outside hazardous material storage area or tanks and combustible materials (wood, bush, etc.)
  - f\_\_\_ Posting of "No Smoking" signs where appropriate.

# GARDEN GROVE FIRE DEPARTMENT

## BUSINESS EMERGENCY PLAN

A BUSINESS IS REQUIRED BY LAW TO NOTIFY THE GARDEN GROVE FIRE DEPARTMENT WITHIN 30 DAYS OF ANY OF THE FOLLOWING EVENTS:

1. Change of business address.
2. Change of business ownership
3. Change of business name
4. Cessation of business operation (quitting business)
5. Use or handling of a previously undisclosed hazardous material
6. A 100% increase in the quantity of a previously disclosed hazardous material

Your business is required by State law to retain a copy of this entire Business Plan, chemical inventory, material safety data sheets and site maps, for review by Fire Department personnel. State where your disclosure and Emergency Business Plan will be kept.

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Show location on site map also using symbol in the legend.

Note: A fee is charged for a replacement copy from the Garden Grove Fire Department.

I CERTIFY, UNDER PENALTY OF PERJURY, THAT THE ENCLOSED INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

SIGNATURE: Wiley Langford  
NAME: Wiley Langford  
TITLE: Dir. of H.F.C.  
DATE: 11/29/2004



GARDEN GROVE FIRE DEPARTMENT ENVIRONMENTAL PROTECTION SECTION

11301 Acacia Parkway Garden Grove, CA 92840 Business: 714 741-5600 Haz Mar: 714 741-5636

Hazardous Materials Business Emergency Plan And Inventory Certification Statement

Business Name: ONE DAY PAINT & BODY Telephone: 714/534-6411 Site Address: 13612 HARBOR BLVD G.G. Zip Code: 92643

The California Health & Safety Code, Division 20, Chapter 6.95, Section 25505(c) and Section 25503.3(c) provide the following:

A business that handles hazardous materials shall review AND certify their Hazardous Materials Business Emergency Plan (HMBEP) once every three years from the date of acceptance by the Garden Grove Fire Department. A business may comply with the annual chemical inventory reporting requirement by submitting a certification statement to the Garden Grove Fire Department. A business may not utilize this certification to meet the annual inventory submission requirements of the Emergency Planning and Community Right to Know Act (Section 11022, Title 42, United States Code).

Note: A business may comply with the annual inventory reporting requirements using this certification statement if both of the following apply:

- 1. The business has previously filed an inventory reporting form and; 2. The business attests to the following: The information contained in the annual inventory form most recently submitted to the Garden Grove Fire Department is complete, accurate, and up to date. There has been no change in the quantity of any hazardous material as reported in the most recently submitted annual inventory form. No hazardous material subject to the inventory requirements is being handled that is not listed on the most recently submitted annual inventory form.

THIS IS TO CERTIFY THAT THE HMBEP AND/OR CHEMICAL INVENTORY HAS BEEN REVIEWED. (Please check applicable boxes):

- No changes are required to the HMBEP submitted to the Garden Grove Fire Department. All the necessary changes/revisions have been made to the HMBEP. The changes/revisions are attached to this certification. No changes are required to the chemical inventory that was previously on file with the Garden Grove Fire Department. All the necessary changes/revisions have been made to the chemical inventory. The changes/revisions are attached to this certification.

AS AN AUTHORIZED REPRESENTATIVE, I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED AND BELIEVE THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

Print Name: WILEY LANGFORD Signature: Wiley Langford Job Title: Dir. of H.R. Date: 6/22/01

White Copy - Return to Garden Grove Fire Department Yellow Copy -- Retain for Business Records

MAILING ADDRESS: 1-DAY PAINT & BODY CTRS.INC. P.O. BOX 3037 TORRANCE, CA 90510 3037

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

Page 1 of \_\_\_\_\_

I. FACILITY IDENTIFICATION

FACILITY ID#	Permit# 9907155	1. EPA ID # (Hazardous Waste Only)	2.
		MLI No. 28284	

BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) 3.

Same as facility name.

II. ACTIVITIES DECLARATION

**NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730)**

Does your facility... If Yes, please complete these pages of the UPCF...

<b>A. HAZARDOUS MATERIALS</b> Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	4.	<input checked="" type="checkbox"/> HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (OES 2731)
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------	----	-----------------------------------------------------------------------------------------------------

<b>B. UNDERGROUND STORAGE TANKS (USTs)</b>			
1. Own or operate underground storage tanks?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	5.	<input checked="" type="checkbox"/> UST FACILITY (Formerly SWRCB Form A)
2. Intent to upgrade existing or install new USTs?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	6.	<input checked="" type="checkbox"/> UST TANK (one page per tank) (Formerly Form B)
			<input checked="" type="checkbox"/> UST FACILITY
			<input checked="" type="checkbox"/> UST TANK (one per tank)
			<input checked="" type="checkbox"/> UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	7.	<input checked="" type="checkbox"/> UST TANK (closure portion-one page per tank)

<b>C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)</b> Own or operate ASTs above these thresholds: - any tank capacity is greater than 660 gallons, or - the total aggregate capacity for the entire facility (ASTs, drums and portable containers) greater than 1,320 gallons?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	8.	<input checked="" type="checkbox"/> NO FORM REQUIRED TO CUPAS
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------	----	---------------------------------------------------------------

<b>D. HAZARDOUS WASTE</b>			
1. Generate hazardous waste?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	9.	<input checked="" type="checkbox"/> EPA ID NUMBER - provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	10.	<input checked="" type="checkbox"/> RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	11.	<input checked="" type="checkbox"/> ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Forms 1772)
			<input checked="" type="checkbox"/> ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Forms 1772A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	12.	<input checked="" type="checkbox"/> CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	13.	<input checked="" type="checkbox"/> REMOTE WASTE/CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified waste and cleaned onsite?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	14.	<input checked="" type="checkbox"/> HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

**E. LOCAL REQUIREMENTS** 15.

(You may also be required to provide additional information by your CUPA or local agency.)



**GARDEN GROVE FIRE DEPARTMENT  
ENVIRONMENTAL PROTECTION SECTION**

11301 Acacia Parkway  
Garden Grove, CA 92840  
Business: 714 741-5600 Haz Mat: 714 741-5636

**Hazardous Materials Business Emergency Plan And  
Inventory Certification Statement**

Business Name: 1-Day Paint & Body Centers, Inc. Telephone: 714 534-6411  
Site Address: 13612 Harbor Blvd, Gardena, Ca Zip Code: 92643

The California Health & Safety Code, Division 20, Chapter 6.95, Section 25505(c) and Section 25503.3(c) provide the following:

A business that handles hazardous materials shall review AND certify their Hazardous Materials Business Emergency Plan (HMBEP) once every three years from the date of acceptance by the Garden Grove Fire Department. A business may comply with the annual chemical inventory reporting requirement by submitting a certification statement to the Garden Grove Fire Department. **A business may not utilize this certification to meet the annual inventory submission requirements of the Emergency Planning and Community Right to Know Act (Section 11022, Title 42, United States Code).**

Note: A business may comply with the annual inventory reporting requirements using this certification statement if both of the following apply:

1. The business has previously filed an inventory reporting form and;
2. The business attests to the following:
  - The information contained in the annual inventory form most recently submitted to the Garden Grove Fire Department is complete, accurate, and up to date.
  - There has been no change in the quantity of any hazardous material as reported in the most recently submitted annual inventory form.
  - No hazardous material subject to the inventory requirements is being handled that is not listed on the most recently submitted annual inventory form.

THIS IS TO CERTIFY THAT THE HMBEP AND/OR CHEMICAL INVENTORY HAS BEEN REVIEWED.  
(Please check applicable boxes):

- No changes are required to the HMBEP submitted to the Garden Grove Fire Department.
- All the necessary changes/revisions have been made to the HMBEP. The changes/revisions are attached to this certification.
- No changes are required to the chemical inventory that was previously on file with the Garden Grove Fire Department.
- All the necessary changes/revisions have been made to the chemical inventory. The changes/revisions are attached to this certification.

AS AN AUTHORIZED REPRESENTATIVE, I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED AND BELIEVE THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

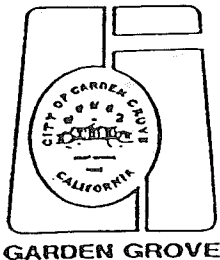
Print Name Wiley L. Langford

Signature Wiley L. Langford

Job Title Dir. of H.R.

Date 5/15/2010





# CITY OF GARDEN GROVE, CALIFORNIA

MAILING ADDRESS: P.O. BOX 3070, GARDEN GROVE, CALIFORNIA 92642  
714-741-5600

*entered as:*

*1-DAY PAINT AND BODY*

## BUSINESS EMERGENCY PLAN

Business Name 1-DAY PAINT & BODY CENTERS, INC.

Business Address 13612 HARBOR BLVD. City GARDEN GROVE State CA Zip 92643

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Business Phone \_\_\_\_\_ Business License # 118545  
Fax Number \_\_\_\_\_

Owner/Operator: Name WILEY LANGFORD Phone Number ( 310 ) 328-0390

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Type of Business Operation AUTO PAINTING & BODY REPAIR

EPA # CAD981399199 SIC Code 7532

Emergency Contacts: Name WILEY LANGFORD

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

24 Hour Phone Number \_\_\_\_\_ Phone Number \_\_\_\_\_

Property Owner: Name F & G PROPERTIES Phone Number ( \_\_\_\_\_ ) \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Total Number of Employees 12 Dun and Brad Street Numbers \_\_\_\_\_

Office Use Only

MLI# \_\_\_\_\_ Short  Long \_\_\_\_\_

(2)

OK

DATE: \_\_\_\_\_  
FEE 1 2 3 4 NEW BUS: \_\_\_\_\_ EXISTG: \_\_\_\_\_ UPDATE: \_\_\_\_\_  
MISC: 2/16/96 CA 6-11-97  
TIER # \_\_\_\_\_ FAC: \_\_\_\_\_ CON: \_\_\_\_\_ BUS LIST: \_\_\_\_\_ PICE: \_\_\_\_\_

BUSINESS NAME: 1-DAY PAINT & BODY CENTERS, INC.

ADDRESS: 13612 HARBOR BLVD., GARDEN GROVE, CA 92643

MLI # \_\_\_\_\_ (office use only)

**HAZARDOUS MATERIAL SAFETY DATA SHEET**

THIS FORM IS

1. TRADE NAME	2. HAZARDOUS SUBSTANCES IN PRODUCT (top 3 as per % weight on MSDS)	3. CAS NO.	4. SARA Hazard Class Table 1	5. Physical State Table 2	6. MAX. DAILY AMOUNT Table 3	7.
1. FUL THANE PAINT SYSTEM	METHYL AMYL KETONE	110-43-0	1-4,5	M	00G	01
	ETHYL 3-ETHOXY PROPIONATE	763-69-9				
	METHYL ISOBUTYL KETONE	108-10-1				
2. REDUCER FOR FUL-THANE PAINT	AROMATIC HYDROCARBON	64742-95-6	1-4,5	M	00G	01
	ACETONE	67-64-1				
	TOLUENE	108-88-3				
3. THREE POINT FIVE SEALER	METHYL ISOBUTYL KETONE	108-10-1	1-4,5	M	00G	01
	ETHYL ACETATE	141-78-6				
	XYLENE	133-20-7				
4. REDUCER FOR THREE POINT FIVE SEALER	AROMATIC HYDROCARBON	64742-95-6	1-4,5	M	00G	01
	METHYL AMYL KETONE	110-43-0				
	BUTYL ACETATE	123-86-4				
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

**Table#1 SARA Hazard**

Physical	Health
1-Fire	4-Immediate (Acute)
2-Sudden Release of Pressure	5-Delayed (Chronic)
3-Reactivity	

**Table#2**

Physical State
P-Pure
M-Mixture
S-Solid (Report pounds)
L-Liquid (Report gallons)
G-Gas (Report cubic feet)

**TABLE # 3 Amount Chart**

Value	Amount	Range
00	0	99
01	100	299
02	300	599
03	600	999
04	1000	5999
05	6000	9999
06	10000	19999
07	20000	49999+

**Table#4 Container Type**

A- Aboveground Tank	I- Insulated Tank((
B- Bag(s)	J- Metal Containers
C- Box(s)	K- Movable Pressur
D- Carboy(s)	L- Plastic Containe
E- Drum(s) or Barrel(s)	M- Rail Car
F- Fixed Pressurized Cylinders	N- Silo
G- Glass Containers	O- Tank inside build
H- In Machinery or Equip.	P- Underground Tar
	Q- Other



A Hazardous Materials Disclosure Business is required by law to notify the Garden Grove Fire Department within 15 days of any of the following events:

1. Change of business address.
2. Change of business ownership.
3. Change of business name.
4. Cessation of business.
5. Use of a previously undisclosed hazardous material.
6. A 100% increase in the quantity of a previously disclosed material.

---

	YES	NO
1. Are there any underground storage containers located on the business property?	_____	<u>  X  </u>
2. Is trade secret protection requested for any of the information included in this disclosure?	_____	<u>  X  </u>
3. Are there school(s), hospital(s), extended day care or long term health facilities within 1000 feet (straight line distance) of business property?	_____	<u>  X  </u>
4. Are extremely Hazardous Materials or Acutely Hazardous Materials being handled on business property (State and Federal reporting)?	_____	<u>  X  </u>

---

I certify, under penalty of law that I have personally examined and am familiar with the information submitted and believe the submitted information is true, accurate, and complete.

Print Name of Owner: (OPERATOR) WILEY LANGFORD

Print Name of Document Preparer: WILEY LANGFORD

Signature of Owner/Operator: Wiley Langford Date: 2/12/96

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NOTE: Keep a copy of entire disclosure packet for your records.

RETURN THE ORIGINAL DISCLOSURE FORM, BUSINESS PLAN, AND MSDS SHEETS TO THE GARDEN GROVE FIRE DEPARTMENT



## TABLE OF CONTENTS

INTRODUCTION: Business Emergency Plan - Short Version

- A) Evacuation and Staging Areas
- B) Employee Responsibilities
- C) Training Requirements
- D) Emergency Notifications
- E) Prevention
- F) Site Plan

## Hazardous Materials Business Emergency Plan - Short Version

All businesses using, handling or storing hazardous materials that are required to disclose must complete an Business Emergency Plan. The occupancy groups listed below will be permitted to complete a short version of the business plan. The completion of the short form shall be considered the application required in the Health and Safety Code, Title 20, Chapter 6.95, Section 25503.5.

The Chief of the Garden Grove Fire Department in the role of the Administering Agency, allows the following types of businesses to file the short version of the Business Emergency Plan.

1. Gasoline/Diesel service stations. B-1 occupancies.
2. Repair Garages. H-4 occupancies.
3. Dry Cleaners.
4. Businesses, at the Fire Chief's discretion, with less than 10 employees and using materials that are not considered highly or acutely toxic.

The Fire Chief exempts the following portions from the business plan. These exemptions have been established because the materials used in the above-mentioned occupancies are common knowledge to first responding units. The materials pose no significant, unexpected hazard nor do they affect the ability of the administering agency to effectively respond to their release of a hazardous material, and that there are unusual circumstances justifying this exemption.

### Exemptions

1. Detailed evacuation plans.
2. Detailed Key employee responsibilities.
3. Training outline.
4. Detailed prevention outline.

The following Short Business Emergency Plan must be completed in order for the exemption to be granted.

Personnel Emergency Notifications and Responsibilities

(A) Employee Evacuation and Staging Areas:

1. The type of (alarm) signal that will be used to initiate an evacuation at the facility:

VERBAL ALARM OVER PUBLIC ADDRESS SYSTEM

2. All employees shall be trained to evacuate the facility through at least one exit. Alternate exit routes shall be designated if available.
3. Staging areas shall be designated for all employees. Staging areas will be the location that all employees shall report to in the event of an emergency.

One person shall be designated to account for all personnel at the staging area. That person will be responsible for meeting the incoming Fire units and reporting the conditions known about the incident.

The Staging area is at the following location:

PARKING LOT

(B) Employee Responsibilities:

At least one employee shall be responsible for the following minimum requirements in the event of an emergency response by the Fire Department.

1. Notify employees. Initiate evacuation procedures.
2. Notify the Garden Grove Fire Department. Dial 911.
3. Try to identify the nature of the incident.
4. Report to the staging area and account for evacuated employees.
5. Report to the incoming fire units.
6. Activate any emergency mitigation procedures that are available at your business. (List below any mitigation procedures specific to your business, if any.)

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(C) Training Requirements

State law requires training of employees where the business uses, handles or stores hazardous materials.

Employee training provided on:

1. Employee responsibility to report any release or threatened release of a hazardous material to:
  - Garden Grove Fire Department at 911
  - Office of Emergency Service 800-852-7550
2. Appointment of person/persons on site who are trained in key role positions. Emergency coordinator, evacuation coordinators, staging area supervisors and documenting officers.
3. Procedures to follow during a release or threatened release of a hazardous material (evacuation to staging areas).
4. Information contained in material safety data sheets.
5. Warning labels/placards.
6. Safe work practices.
7. Use of on site emergency equipment and supplies.
8. Use and location of personal protective equipment.
9. Any chemical, hazardous material or substance that could be encountered in his/her work area.
10. On-site alarm system for evacuation.
11. Discuss possible release of hazardous materials scenario.

(D) Emergency Notifications

A handler of hazardous materials is required to immediately report any release or threatened release of a hazardous material to the Garden Grove Fire Department. Failure to do so may result in criminal and/or civil prosecution. In addition you must notify the State Office of Emergency Services at (800) 852-7550 or (916) 427-4341.

(E) Prevention

All materials are stored, used and handled within the guidelines of the Uniform Fire Code, N.F.P.A. standards, California Administrative Code, Titles 19 and 20.

This section is meant to initiate a Prevention Plan at your business and to assist in preventing a release, or threatened release, of a hazardous material. In the spaces provided, place a checkmark by the preventive actions which have been initiated by your business to abate hazards relating to hazardous material handling, use of storage.

Consideration shall include:

1. Drum storage and/or aboveground tank storage areas:
  - a   X   Isolation and separation of incompatible materials
  - b      Diking areas to contain spills
  - c   X   Storage on paved ground
  
2. Compressed and/or cyrogenic gas storage areas:
  - a   X   Cylinders stored upright and secured
  - b      Isolation and/or separation of incompatible cylinders (oxygen and flammable gases, etc.)
  
3. General:
  - a   X   Safe work practices are exercised in daily routines.
  - b   X   Employees who handle hazardous materials are properly trained.
  - c   X   Material Safety Data Sheet (MSDS) readily available for each hazardous material on the premises.
  - d   X   Labeling of all materials and storage areas with the product name and hazards associated with the product (drums, piping, tanks, etc.)
  - e   X   Uniform Fire Code (UFC) requires separation between outside hazardous material storage area or tanks and combustible materials (wood, brush, etc.)
  - f   X   Posting of "No Smoking" signs where appropriate.

4. Other:

a\_\_\_

b\_\_\_

c\_\_\_

d\_\_\_

#115



GARDEN GROVE

# CITY OF GARDEN GROVE, CALIFORNIA

MAILING ADDRESS: P.O. BOX 3070, GARDEN GROVE, CALIFORNIA 92642  
714-741-5600

## BUSINESS EMERGENCY PLAN

Business Name 1-DAY PAINT & BODY CENTERS, INC.

Business Address 13612 Harbor Blvd. City Garden Grove State CA Zip 92643

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Business Phone (714) 534-6411 Business License # 118545

Owner/Operator: Name 1-DAY PAINT & BODY CENTERS Phone Number \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Type of Business Operation Automotive Paint & Body Repair

EPA # CAD 981399199 SIC Code 7535

Emergency Contacts: Name Wiley Langford

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

24 Hour Phone Number ( \_\_\_\_\_ ) Phone Number \_\_\_\_\_

Property Owner: Name F & G Properties Phone Number ( \_\_\_\_\_ ) \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Total Number of Employees 12 Dun and Brad Street Numbers \_\_\_\_\_

Office Use Only

MLI# 28284 Short  Long \_\_\_\_\_

*OK 3-15-94*

**BUSINESS NAME:** 1-DAY PAINT & BODY CENTERS, INC.  
**ADDRESS:** 13612 Harbor Blvd., Garden Grove CA 92643  
**MLI #** \_\_\_\_\_ (office use only)

**HAZARDOUS MATERIALS**  
 THIS FORM TO

1. TRADE NAME	2. HAZARDOUS SUBSTANCES IN PRODUCT (top 3 as per % weight on MSDS)	3. CAS NO.	4. SARA Hazard Class Table 1	5. Physical State Table 2	6. MAX. DAILY AMOUNT Table 3	7. I A
1. Paints	Mineral Spirits	6472887	1 5	M	01	C
	Toluene	108883				
	Petroleum Naphtha	6474289				
2. Hardeners	N-Butyl-Acetate	123864	1 5	M	00	C
	Toluene	108883				
	Xylene	1330207				
3. Oxygen	Oxygen	07782447	2 4	P	01	C
4. Waste Materials	Acetone	67641	1 5	M	00	C
	MEK					
	Toluene	108883				
5. Acetylene	Acetylene	0074862	2 4	P	01	C
6. Thinners	Toluene	108883	1 5	M	00	C
	Acetone	67641				
	Isopropanol	71239				
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

<b>Table#1 SARA Hazard</b> Physical 1-Fire 2-Sudden Release of Pressure 3-Reactivity Health 4-Immediate (Acute) 5-Delayed (Chronic)	<b>Table#2</b> Physical State P-Pure M-Mixture S-Solid (Report pounds) L-Liquid (Report gallons) G-Gas (Report cubic feet)	<b>TABLE # 3 Amount Chart</b> <table border="1"> <thead> <tr> <th>Value</th> <th>Amount</th> <th>Range</th> </tr> </thead> <tbody> <tr><td>00</td><td>0</td><td>99</td></tr> <tr><td>01</td><td>100</td><td>299</td></tr> <tr><td>02</td><td>300</td><td>599</td></tr> <tr><td>03</td><td>600</td><td>999</td></tr> <tr><td>04</td><td>1000</td><td>5999</td></tr> <tr><td>05</td><td>6000</td><td>9999</td></tr> <tr><td>06</td><td>10000</td><td>19999</td></tr> <tr><td>07</td><td>20000</td><td>49999+</td></tr> </tbody> </table>	Value	Amount	Range	00	0	99	01	100	299	02	300	599	03	600	999	04	1000	5999	05	6000	9999	06	10000	19999	07	20000	49999+	<b>Table#4 Container Type</b> A- Aboveground Tank B- Bag(s) C- Box(s) D- Carboy(s) E- Drum(s) or Barrel(s) F- Fixed Pressurized Cylinders G- Glass Containers H- In Machinery or Equip. I- Insulated Tank(Cry) J- Metal Containers K- Movable Pressurize L- Plastic Containers M- Rail Car N- Silo O- Tank inside building P- Underground Tank Q- Other
Value	Amount	Range																												
00	0	99																												
01	100	299																												
02	300	599																												
03	600	999																												
04	1000	5999																												
05	6000	9999																												
06	10000	19999																												
07	20000	49999+																												

# MSDS DISCLOSURE FORM

TYPEWRITTEN.

DATE: 3/1/94

PAGE #



8. DAYS ON SITE	9. CONTAINER TYPE <small>Table 4</small>	10. STORAGE CODE PRESSURE/ TEMP. <small>Table 5</small>	11. LOCATION <small>(NOTE BY QUADRANT AND DESCRIBE AREA)</small>	12. STATE WASTE NUMBER <small>(3 DIGIT CODE)</small>	13. DOT/ UN/NA NUMBER	14. HAZARD CLASS <small>Table 6</small>
365	J	1 - 1	North West side of building	Recycled		11
365	L	1 - 1	North West side of building	Recycled		11
365	K	3 - 1	North side of building			10
365	E	1 - 1	North side of building	Recycled		11
365	K	3 - 1	North side of building			10
365	H	1 - 1	South East corner of Spray Booth	Recycled		11

1)  ders	<p><b>Table#5 Storage Code</b></p> <table border="0"> <tr> <td><b>Pressure</b></td> <td><b>Temperature</b></td> </tr> <tr> <td>1- Ambient</td> <td>1-Ambient</td> </tr> <tr> <td>2 - Less than ambient</td> <td>2-Less than ambient,but</td> </tr> <tr> <td>3 - Greater than ambient</td> <td>not cryogenic.</td> </tr> <tr> <td></td> <td>3-Greater than ambient</td> </tr> <tr> <td></td> <td>4-Cryogenic</td> </tr> <tr> <td colspan="2">* Ambient = room pressure or temperature</td> </tr> </table>	<b>Pressure</b>	<b>Temperature</b>	1- Ambient	1-Ambient	2 - Less than ambient	2-Less than ambient,but	3 - Greater than ambient	not cryogenic.		3-Greater than ambient		4-Cryogenic	* Ambient = room pressure or temperature		<p><b>Table#6 Hazard Class (see MSDS sheets for info)</b></p> <table border="0"> <tr> <td>1- Blasting Agent</td> <td>9- Explosive C</td> <td>17- Oxidizer</td> </tr> <tr> <td>2- Carcinogen</td> <td>10- Flammable Compressed Gas</td> <td>18- Pesticide</td> </tr> <tr> <td>3- Combustible</td> <td>11- Flammable Liquid</td> <td>19- Poison A</td> </tr> <tr> <td>Liquids</td> <td>12- Flammable Solid</td> <td>(Compressed Poisonous Gas)</td> </tr> <tr> <td>4- Corrosive</td> <td>13- Hypergolic</td> <td>20- Poison B (Solid/Liquid)</td> </tr> <tr> <td>5- Cryogenics</td> <td>14- Irritant</td> <td>21- Pyrophoric or Spontaneously</td> </tr> <tr> <td>6- Etiologic Agents</td> <td>15- Non Flammable</td> <td>Combustible</td> </tr> <tr> <td>7- Explosive A</td> <td>Compressed Gas</td> <td>22- Radioactive</td> </tr> <tr> <td>8- Explosive B</td> <td>16- Organic Peroxide</td> <td></td> </tr> </table>	1- Blasting Agent	9- Explosive C	17- Oxidizer	2- Carcinogen	10- Flammable Compressed Gas	18- Pesticide	3- Combustible	11- Flammable Liquid	19- Poison A	Liquids	12- Flammable Solid	(Compressed Poisonous Gas)	4- Corrosive	13- Hypergolic	20- Poison B (Solid/Liquid)	5- Cryogenics	14- Irritant	21- Pyrophoric or Spontaneously	6- Etiologic Agents	15- Non Flammable	Combustible	7- Explosive A	Compressed Gas	22- Radioactive	8- Explosive B	16- Organic Peroxide	
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8- Explosive B	16- Organic Peroxide																																										

A Hazardous Materials Disclosure Business is required by law to notify the Garden Grove Fire Department within 15 days of any of the following events:

1. Change of business address.
2. Change of business ownership.
3. Change of business name.
4. Cessation of business.
5. Use of a previously undisclosed hazardous material.
6. A 100% increase in the quantity of a previously disclosed material.

---

	YES	NO
1. Are there any underground storage containers located on the business property?	_____	<u>X</u>
2. Is trade secret protection requested for any of the information included in this disclosure?	_____	<u>X</u>
3. Are there school(s), hospital(s), extended day care or long term health facilities within 1000 feet (straight line distance) of business property?	_____	<u>X</u>
4. Are extremely Hazardous Materials or Acutely Hazardous Materials being handled on business property (State and Federal reporting)?	_____	<u>X</u>

---

I certify, under penalty of law that I have personally examined and am familiar with the information submitted and believe the submitted information is true, accurate, and complete.

Print Name of Owner: 1-DAY PAINT & BODY CENTERS, INC.

Print Name of Document Preparer: Wiley Langford

Signature of Owner/Operator: *Wiley Langford* Date: 3-8-94

---

NOTE: Keep a copy of entire disclosure packet for your records.

RETURN THE ORIGINAL DISCLOSURE FORM, BUSINESS PLAN, AND MSDS SHEETS TO THE GARDEN GROVE FIRE DEPARTMENT

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 1  
05/30/95

## \*\*\*\*\* SECTION I \*\*\*\*\*

Manufacturer: E.I. DuPont de Nemours & Co., (Inc.)  
Automotive  
Wilmington, Delaware 19898

Telephone: Product Information (800) 441-7515  
Medical emergency (800) 441-3637  
Transportation emergency (800) 424-9300 (CHENTREC)

IDENTITY: 'FUL-BASE' DEEP BRIGHT RED

PRODUCT CODE: 430-52 FORMULA DATE: 941221

OSHA NAME: FLAMMABLE LIQUID

HMIS: H=2, F=3, R=0

## \*\*\*\*\* SECTION II - INGREDIENTS \*\*\*\*\*

ING#	CAS NO.	SEC. 313	INGREDIENT
001	68604-67-1		POLYESTER RESIN
002	123-86-4		BUTYL ACETATE
003	108-88-3	14 %	TOLUENE
004	64742-89-8		VM&P NAPHTHA
005	1330-20-7	2 %	XYLENE
006	1047-16-1		QUINACRIDONE PIGMENT

## Section 313 Supplier Notification

The chemicals listed above with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

ING#	VAPOR PRESSURE		EXPOSURE LIMITS	
	MM HG			
001	UNKNOWN	ACGIH OSHA	NONE NONE	
002	8.00 20 DEG (C)	ACGIH OSHA ACGIH OSHA	150.0 PPM 150.0 PPM 200.0 PPM 200.0 PPM	15 MIN(STEL) 15 MIN(STEL)
003	36.70 20 DEG (C)	ACGIH OSHA OSHA OSHA DUPONT	50.0 PPM 200.0 PPM 300.0 PPM 500.0 PPM 50.0 PPM	SKIN CEILING 10 MIN MAX 8&12 HR TWA



430-52

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 2  
05/30/95

## \*\*\*\*\* SECTION II CONTINUED \*\*\*\*\*

004	50.00	ACGIH	300.0 PPM	
	25 DEG (C)	OSHA	300.0 PPM	
		OSHA	400.0 PPM	15MIN(STEL)
		DUPONT	100.0 PPM	
005	25.00	ACGIH	100.0 PPM	
	25 DEG (C)	OSHA	100.0 PPM	
		ACGIH	150.0 PPM	15 MIN(STEL)
		OSHA	150.0 PPM	15 MIN(STEL)
006	NOT APP	ACGIH	10.0 MG/M3	
		OSHA	15.0 MG/M3	
		OSHA	5.0 MG/M3	RESPIRABLE

## \*\*\*\*\* SECTION III - PHYSICAL DATA \*\*\*\*\*

EVAPORATION RATE SLOWER THAN ETHER	VAPOR DENSITY HEAVIER THAN AIR	SOLUBILITY OF SOLVENT SYSTEM IN WATER
PERCENT VOLATILE BY VOLUME 73.1	APPROX. BOILING RANGE 88-155 DEG (C)	WEIGHT PER GALLON 7.91
PERCENT VOLATILE BY WEIGHT 65.1	PERCENT SOLIDS 34.8	V.O.C. THEORETICAL 5.1

## \*\*\*\*\* SECTION IV - FIRE &amp; EXPLOSION DATA \*\*\*\*\*

FLASH POINT (METHOD) BETWEEN 20 - 73 F (CC)	APPROX. FLAMMABLE LIMITS LEL 1.0 % UEL 7.6 %
------------------------------------------------	-------------------------------------------------

Extinguishing media: foam , carbon dioxide, dry chemical

Special fire fighting procedures: full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to prevent pressure build-up.

Unusual fire & explosion hazards: when heated above the flashpoint, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mist or sprays may be flammable at temperatures below the flash point.

## \*\*\*\*\* SECTION V - HEALTH HAZARD DATA \*\*\*\*\*

ROUTE OF ENTRY	SYMPTOMS/EFFECTS AND FIRST AID
----------------	--------------------------------

Inhalation: May cause nose and throat irritation . May cause nervous system depression characterized by the following

430-52

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 3

05/30/95

## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

## OTHER POTENTIAL HAZARDS INCLUDE:

## BUTYL ACETATE

May cause abnormal liver function.

Tests for embryotoxic activity in animals has been inconclusive.

Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

## TOLUENE

Recurrent overexposure may result in liver and kidney injury.

High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans.

Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown.

WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

## M&amp;P NAPHTHA

Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

## XYLENE

High concentrations have caused embryotoxic effects in laboratory animals.

Recurrent overexposure may result in liver and kidney injury.

Can be absorbed through the skin in harmful amounts.

## First Aid:

Inhalation: If affected by inhalation of vapor or spray mist, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing difficulty persists, or occurs later, consult a physician.

430-52

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 4  
05/30/95

## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

Skin or eye: In case of contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Ingestion: Gastro-intestinal distress.  
In the unlikely event of ingestion, call a physician immediately and have names of ingredients available.

Skin or eye contact: May cause irritation of the eyes. Repeated or prolonged skin contact may cause irritation. In case of eye contact, flush with plenty of water for at least 15 minutes, call a physician. For skin contact, wash with soap and water.

## \*\*\*\*\* SECTION VI - REACTIVITY DATA \*\*\*\*\*

STABILITY  
STABLE

Incompatibility (materials to avoid): None reasonably foreseeable.

Hazardous decomposition products: CO, CO<sub>2</sub>, smoke, oxides of heavy metals reported in Section V.

Hazardous polymerization: Will not occur.

## \*\*\*\*\* SECTION VII - SPILL OR LEAK PROCEDURES \*\*\*\*\*

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin contact and breathing of vapor. Confine and remove with inert absorbent.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with Federal, State and local requirements. Do not incinerate in closed containers.

## \*\*\*\*\* SECTION VIII - SPECIAL PROTECTION INFORMATION \*\*\*\*\*

Respiratory: Do not breathe vapors or mists. Wear a properly fitted vapor/particulate respirator approved by NIOSH/MSHA (TC-23C) for use with paints during application and until all vapors and spray mists are exhausted. Follow the respirator manufacturer's directions for respirator use.

Ventilation: Provide sufficient ventilation in volume and

430-52

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 5

05/30/95

## \*\*\*\*\* SECTION VIII CONTINUED \*\*\*\*\*

pattern to keep contaminants below applicable OSHA requirements and other suggested exposure limits.

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

Protective creams: Do not use for protection. May be used for ease of clean up.

## \*\*\*\*\* SECTION IX - SPECIAL PRECAUTIONS \*\*\*\*\*

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 deg F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH/MSHA approved respirator or appropriate ventilation.

## \*\*\*\*\* SECTION X - NOTES \*\*\*\*\*

## NOTICE FROM DUPONT

The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or any process.

Product Manager

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 1  
05/30/95

## \*\*\*\*\* SECTION I \*\*\*\*\*

Manufacturer: E.I. DuPont de Nemours & Co., (Inc.)  
Automotive  
Wilmington, Delaware 19898

Telephone: Product Information (800) 441-7515  
Medical emergency (800) 441-3637  
Transportation emergency (800) 424-9300 (CHEMTREC)

IDENTITY: CRYSTAL FROST WHITE TONER

PRODUCT CODE: 430-53 FORMULA DATE: 940726

OSHA NAME: FLAMMABLE LIQUID

HMSIS: H=2, F=3, R=0

## \*\*\*\*\* SECTION II - INGREDIENTS \*\*\*\*\*

ING#	CAS NO.	SEC. 313	INGREDIENT
001	68604-67-1		POLYESTER RESIN
002	123-86-4		BUTYL ACETATE
003	64742-89-8		VM&P NAPHTHA
004	1330-20-7	3	XYLENE
005	13463-67-7		TITANIUM DIOXIDE

## Section 313 Supplier Notification

The chemicals listed above with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

ING#	VAPOR PRESSURE MM HG	EXPOSURE LIMITS		
		ACGIH	OSHA	
001	UNKNOWN	ACGIH	NONE	
		OSHA	NONE	
002	8.00 20 DEG (C)	ACGIH	150.0 PPM	
		OSHA	150.0 PPM	
		ACGIH	200.0 PPM	15 MIN(STEL)
		OSHA	200.0 PPM	15 MIN(STEL)
003	50.00 25 DEG (C)	ACGIH	300.0 PPM	
		OSHA	300.0 PPM	
		OSHA	400.0 PPM	15MIN(STEL)
		DUPONT	100.0 PPM	
004	25.00 25 DEG (C)	ACGIH	100.0 PPM	
		OSHA	100.0 PPM	
		ACGIH	150.0 PPM	15 MIN(STEL)

430-53

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 2

05/30/95

## \*\*\*\*\* SECTION II CONTINUED \*\*\*\*\*

	OSHA	150.0 PPM	15 MIN(STEL)
005	NOT APP	ACGIH	10.0 MG/M3
		OSHA	15.0 MG/M3
		DUPONT	10.0 MG/M3

## \*\*\*\*\* SECTION III - PHYSICAL DATA \*\*\*\*\*

EVAPORATION RATE SLOWER THAN ETHER	VAPOR DENSITY HEAVIER THAN AIR	SOLUBILITY OF SOLVENT SYSTEM IN WATER
PERCENT VOLATILE BY VOLUME 66.0	APPROX. BOILING RANGE 88-155 DEG (C)	WEIGHT PER GALLON 10.47
PERCENT VOLATILE BY WEIGHT 44.2	PERCENT SOLIDS 55.7	V.O.C. THEORETICAL 4.6

## \*\*\*\*\* SECTION IV - FIRE &amp; EXPLOSION DATA \*\*\*\*\*

FLASH POINT (METHOD) BETWEEN 20 - 73 F (CC)	APPROX. FLAMMABLE LIMITS LEL 1.0 % UEL 7.6 %
------------------------------------------------	-------------------------------------------------

Extinguishing media: foam, carbon dioxide, dry chemical

Special fire fighting procedures: full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to prevent pressure build-up.

Unusual fire & explosion hazards: when heated above the flashpoint, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mist or sprays may be flammable at temperatures below the flash point.

## \*\*\*\*\* SECTION V - HEALTH HAZARD DATA \*\*\*\*\*

ROUTE OF ENTRY	SYMPTOMS/EFFECTS AND FIRST AID
----------------	--------------------------------

Inhalation: May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin

430-53

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 3  
05/30/95

## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

irritation with discomfort and dermatitis.

## OTHER POTENTIAL HAZARDS INCLUDE:

## BUTYL ACETATE

May cause abnormal liver function.  
Tests for embryotoxic activity in animals has been inconclusive.  
Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

## VM&amp;P NAPHTHA

Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

## XYLENE

High concentrations have caused embryotoxic effects in laboratory animals.  
Recurrent overexposure may result in liver and kidney injury.  
Can be absorbed through the skin in harmful amounts.

## TITANIUM DIOXIDE

In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m<sup>3</sup> respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m<sup>3</sup> level are not relevant to the workplace.

## First Aid:

Inhalation: If affected by inhalation of vapor or spray mist, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye: In case of contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

## Ingestion: Gastro-intestinal distress.

In the unlikely event of ingestion, call a physician immediately and have names of ingredients available.

Skin or eye contact: May cause irritation of the eyes.  
Repeated or prolonged skin contact may cause irritation.

430-53

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 4

05/30/95

## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

In case of eye contact, flush with plenty of water for at least 15 minutes, call a physician. For skin contact, wash with soap and water.

## \*\*\*\*\* SECTION VI - REACTIVITY DATA \*\*\*\*\*

## STABILITY

## STABLE

Incompatibility (materials to avoid): None reasonably foreseeable.

Hazardous decomposition products: CO, CO<sub>2</sub>, smoke, oxides of heavy metals reported in Section V.

Hazardous polymerization: Will not occur.

## \*\*\*\*\* SECTION VII - SPILL OR LEAK PROCEDURES \*\*\*\*\*

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin contact and breathing of vapor. Confine and remove with inert absorbent.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with Federal, State and local requirements. Do not incinerate in closed containers.

## \*\*\*\*\* SECTION VIII - SPECIAL PROTECTION INFORMATION \*\*\*\*\*

Respiratory: Do not breathe vapors or mists. Wear a properly fitted vapor/particulate respirator approved by NIOSH/MSHA (TC-23C) for use with paints during application and until all vapors and spray mists are exhausted. Follow the respirator manufacturer's directions for respirator use.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA requirements and other suggested exposure limits.

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

Protective creams: Do not use for protection. May be used



430-53

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 5

05/30/95

## \*\*\*\*\* SECTION VIII CONTINUED \*\*\*\*\*

for ease of clean up.

## \*\*\*\*\* SECTION IX - SPECIAL PRECAUTIONS \*\*\*\*\*

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 deg F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH/MSHA approved respirator or appropriate ventilation.

## \*\*\*\*\* SECTION X - NOTES \*\*\*\*\*

## NOTICE FROM DUPONT

The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or any process.

Product Manager

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 1  
05/30/95

## \*\*\*\*\* SECTION I \*\*\*\*\*

Manufacturer: E.I. DuPont de Nemours & Co., (Inc.)  
Automotive  
Wilmington, Delaware 19898

Telephone: Product Information (800) 441-7515  
Medical emergency (800) 441-3637  
Transportation emergency (800) 424-9300 (CHEMTREC)

IDENTITY: 'FUL-BASE' PURPLE PEARL

PRODUCT CODE: 430-54 FORMULA DATE: 940412

OSHA NAME: FLAMMABLE LIQUID

HMS: H=2, F=3, R=0

## \*\*\*\*\* SECTION II - INGREDIENTS \*\*\*\*\*

ING#	CAS NO.	SEC. 313	INGREDIENT
001	68604-67-1		POLYESTER RESIN
002	123-86-4		BUTYL ACETATE
003	106-88-3	5 %	TOLUENE
004	111-76-2	2 %	ETHYLENE GLYCOL MONOBUTYL ETHER
005	64742-89-8		VM&P NAPHTHA
006	1330-20-7	2 %	XYLENE
007	64742-94-5		AROMATIC HYDROCARBON
008	NOT AVAILABLE		MICA/TITANIUM DIOXIDE/TIN OXIDE

## Section 313 Supplier Notification

The chemicals listed above with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

ING#	VAPOR PRESSURE MM HG	ACGIH OSHA	EXPOSURE LIMITS
001	UNKNOWN	ACGIH OSHA	NONE NONE
002	8.00 20 DEG (C)	ACGIH OSHA ACGIH OSHA	150.0 PPM 150.0 PPM 200.0 PPM 200.0 PPM 15 MIN(STEL) 15 MIN(STEL)
003	36.70 20 DEG (C)	ACGIH OSHA OSHA OSHA DUPONT	50.0 PPM 200.0 PPM 300.0 PPM 500.0 PPM 50.0 PPM SKIN CEILING 10 MIN MAX 8&12 HR TWA

430-54

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 2

05/30/95

## \*\*\*\*\* SECTION II CONTINUED \*\*\*\*\*

004	.60	ACGIH	25.0 PPM	SKIN
	20 DEG (C)	OSHA	50.0 PPM	SKIN
		DUPONT	10.0 PPM	SKIN
005	50.00	ACGIH	300.0 PPM	
	25 DEG (C)	OSHA	300.0 PPM	
		OSHA	400.0 PPM	15MIN(STEL)
		DUPONT	100.0 PPM	
006	25.00	ACGIH	100.0 PPM	
	25 DEG (C)	OSHA	100.0 PPM	
		ACGIH	150.0 PPM	15 MIN(STEL)
		OSHA	150.0 PPM	15 MIN(STEL)
007	10.00	DUPONT	100.0 PPM	
	20 DEG (C)	ACGIH	NONE	
		OSHA	NONE	
008	NOT APP	ACGIH	3.0 MG/M3	RESPIRABLE MICA
		OSHA	3.0 MG/M3	RESPIRABLE MICA
		ACGIH	2.0 MG/M3	TIN OXIDE
		OSHA	2.0 MG/M3	TIN OXIDE

## \*\*\*\*\* SECTION III - PHYSICAL DATA \*\*\*\*\*

EVAPORATION RATE SLOWER THAN ETHER	VAPOR DENSITY HEAVIER THAN AIR	SOLUBILITY OF SOLVENT SYSTEM IN WATER
PERCENT VOLATILE BY VOLUME 62.3	APPROX. BOILING RANGE 88-213 DEG (C)	WEIGHT PER GALLON 9.19
PERCENT VOLATILE BY WEIGHT 46.7	PERCENT SOLIDS 53.2	V.O.C. THEORETICAL 4.2

## \*\*\*\*\* SECTION IV - FIRE &amp; EXPLOSION DATA \*\*\*\*\*

FLASH POINT (METHOD) BETWEEN 20 - 73 F (CC)	APPROX. FLAMMABLE LIMITS LEL .8 % UEL 10.6 %
------------------------------------------------	-------------------------------------------------

Extinguishing media: foam , carbon dioxide, dry chemical

Special fire fighting procedures: full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to prevent pressure build-up.

Unusual fire & explosion hazards: when heated above the flashpoint, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mist or sprays may be

430-54

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 3  
05/30/95

## \*\*\*\*\* SECTION IV CONTINUED \*\*\*\*\*

Flammable at temperatures below the flash point.

## \*\*\*\*\* SECTION V - HEALTH HAZARD DATA \*\*\*\*\*

## ROUTE OF ENTRY                      SYMPTOMS/EFFECTS AND FIRST AID

Inhalation: May cause nose and throat irritation . May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

## OTHER POTENTIAL HAZARDS INCLUDE:

## BUTYL ACETATE

May cause abnormal liver function.

Tests for embryotoxic activity in animals has been inconclusive.

Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

## TOLUENE

Recurrent overexposure may result in liver and kidney injury.

High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans.

Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown.

WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

## ETHYLENE GLYCOL MONOBUTYL ETHER

Can be absorbed through the skin in harmful amounts.

May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury.

Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

## VM&amp;P NAPHTHA

Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petro-

430-54

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 4  
05/30/95

## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

leum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

## XYLENE

High concentrations have caused embryotoxic effects in laboratory animals.

Recurrent overexposure may result in liver and kidney injury.

Can be absorbed through the skin in harmful amounts.

## First Aid:

Inhalation: If affected by inhalation of vapor or spray mist, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye: In case of contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Ingestion: Gastro-intestinal distress.

In the unlikely event of ingestion, call a physician immediately and have names of ingredients available.

Skin or eye contact: May cause irritation of the eyes. Repeated or prolonged skin contact may cause irritation. In case of eye contact, flush with plenty of water for at least 15 minutes, call a physician. For skin contact, wash with soap and water.

## \*\*\*\*\* SECTION VI - REACTIVITY DATA \*\*\*\*\*

## STABILITY

## STABLE

Incompatibility (materials to avoid): None reasonably foreseeable.

Hazardous decomposition products: CO, CO<sub>2</sub>, smoke, oxides of heavy metals reported in Section V.

Hazardous polymerization: Will not occur.

## \*\*\*\*\* SECTION VII - SPILL OR LEAK PROCEDURES \*\*\*\*\*

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin contact and breathing of vapor. Confine and remove with

430-54

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 5  
05/30/95

## \*\*\*\*\* SECTION VII CONTINUED \*\*\*\*\*

inert absorbent.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with Federal, State and local requirements. Do not incinerate in closed containers.

## \*\*\*\*\* SECTION VIII - SPECIAL PROTECTION INFORMATION \*\*\*\*\*

Respiratory: Do not breathe vapors or mists. Wear a properly fitted vapor/particulate respirator approved by NIOSH/MSHA (TC-23C) for use with paints during application and until all vapors and spray mists are exhausted. Follow the respirator manufacturer's directions for respirator use.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA requirements and other suggested exposure limits.

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

Protective creams: Do not use for protection. May be used for ease of clean up.

## \*\*\*\*\* SECTION IX - SPECIAL PRECAUTIONS \*\*\*\*\*

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 deg F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH/MSHA approved respirator or appropriate ventilation.

## \*\*\*\*\* SECTION X - NOTES \*\*\*\*\*

## NOTICE FROM DUPONT

The data in this material safety data sheet relate only to the specific material designated herein and do not relate to

430-54

DUPONT MATERIAL SAFETY DATA SHEET

PAGE 6

05/30/95

\*\*\*\*\* SECTION X CONTINUED \*\*\*\*\*

use in combination with any other material or any process.

Product Manager

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 1  
05/30/95

## \*\*\*\*\* SECTION I \*\*\*\*\*

Manufacturer: E.I. DuPont de Nemours & Co., (Inc.)  
Automotive  
Wilmington, Delaware 19898

Telephone: Product Information (800) 441-7515  
Medical emergency (800) 441-3637  
Transportation emergency (800) 424-9300 (CHEMTREC)

IDENTITY: FUL-THANE FINE BRIGHT HI-PAK ALUMINUM

PRODUCT CODE: 430-55 FORMULA DATE: 941213

OSHA NAME: FLAMMABLE LIQUID

HMS: H=2, F=3, R=1

## \*\*\*\*\* SECTION II - INGREDIENTS \*\*\*\*\*

ING#	CAS NO.	SEC. 313	INGREDIENT
001	68604-67-1		POLYESTER RESIN
002	123-86-4		BUTYL ACETATE
003	108-88-3	5	TOLUENE
004	141-78-6		ETHYL ACETATE
005	64742-89-8		VM&P NAPHTHA
006	64742-88-7		MEDIUM MINERAL SPIRITS
007	1330-20-7	2	XYLENE
008	64742-95-6		AROMATIC HYDROCARBON
009	7429-90-5	20	ALUMINUM

## Section 313 Supplier Notification

The chemicals listed above with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

ING#	VAPOR PRESSURE MM HG	EXPOSURE LIMITS
001	UNKNOWN	ACGIH NONE OSHA NONE
002	8.00 20 DEG (C)	ACGIH 150.0 PPM OSHA 150.0 PPM ACGIH 200.0 PPM OSHA 200.0 PPM 15 MIN(STEL) 15 MIN(STEL)
003	36.70 20 DEG (C)	ACGIH 50.0 PPM SKIN OSHA 200.0 PPM OSHA 300.0 PPM CEILING



430-55

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 2

05/30/95

## \*\*\*\*\* SECTION II CONTINUED \*\*\*\*\*

		OSHA	500.0 PPM	10 MIN MAX
		DUPONT	50.0 PPM	8&12 HR TWA
004	76.00	ACGIH	400.0 PPM	
	20 DEG (C)	OSHA	400.0 PPM	
005	50.00	ACGIH	300.0 PPM	
	25 DEG (C)	OSHA	300.0 PPM	
		OSHA	400.0 PPM	15MIN(STEL)
		DUPONT	100.0 PPM	
006	10.00	DUPONT	100.0 PPM	
	20 DEG (C)	ACGIH	NONE	
		OSHA	NONE	
007	25.00	ACGIH	100.0 PPM	
	25 DEG (C)	OSHA	100.0 PPM	
		ACGIH	150.0 PPM	15 MIN(STEL)
		OSHA	150.0 PPM	15 MIN(STEL)
008	10.00	ACGIH	25.0 PPM	TRIMETHYL BENZENE
	25 DEG (C)	OSHA	25.0 PPM	TRIMETHYL BENZENE
009	NONE	ACGIH	10.0 MG/M3	
		OSHA	15.0 MG/M3	
		OSHA	5.0 MG/M3	RESPIRABLE

## \*\*\*\*\* SECTION III - PHYSICAL DATA \*\*\*\*\*

EVAPORATION RATE BLOWER THAN ETHER	VAPOR DENSITY HEAVIER THAN AIR	SOLUBILITY OF SOLVENT SYSTEM IN WATER
PERCENT VOLATILE BY VOLUME 67.8	APPROX. BOILING RANGE 76-205 DEG (C)	WEIGHT PER GALLON 8.76
PERCENT VOLATILE BY WEIGHT 52.0	PERCENT SOLIDS 47.9	V.O.C. THEORETICAL 4.5

## \*\*\*\*\* SECTION IV - FIRE &amp; EXPLOSION DATA \*\*\*\*\*

FLASH POINT (METHOD) BETWEEN 20 - 73 F (CC)	APPROX. FLAMMABLE LIMITS LEL .9 & UEL 11.2 %
------------------------------------------------	-------------------------------------------------

Extinguishing media: foam , carbon dioxide, dry chemical

Special fire fighting procedures: full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to prevent pressure build-up.

430-55

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 3

05/30/95

## \*\*\*\*\* SECTION IV CONTINUED \*\*\*\*\*

Unusual fire & explosion hazards: when heated above the flashpoint, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mist or sprays may be flammable at temperatures below the flash point.

## \*\*\*\*\* SECTION V - HEALTH HAZARD DATA \*\*\*\*\*

## ROUTE OF ENTRY                      SYMPTOMS/EFFECTS AND FIRST AID

Inhalation: May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

## OTHER POTENTIAL HAZARDS INCLUDE:

## BUTYL ACETATE

May cause abnormal liver function.

Tests for embryotoxic activity in animals has been inconclusive.

Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

## TOLUENE

Recurrent overexposure may result in liver and kidney injury.

High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans.

Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown.

WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

## ETHYL ACETATE

Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs.

## VM&amp;P NAPHTHA

Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors.

430-55

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 4

05/30/95

## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

## MEDIUM MINERAL SPIRITS

Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors. May cause temporary upper respiratory and/or lung irritation with cough, difficult breathing, or shortness of breath

## XYLENE

High concentrations have caused embryotoxic effects in laboratory animals. Recurrent overexposure may result in liver and kidney injury. Can be absorbed through the skin in harmful amounts.

## AROMATIC HYDROCARBON

Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

## First Aid:

Inhalation: If affected by inhalation of vapor or spray mist, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye: In case of contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Ingestion: Gastro-intestinal distress.

In the unlikely event of ingestion, call a physician immediately and have names of ingredients available.

Skin or eye contact: May cause irritation of the eyes. Repeated or prolonged skin contact may cause irritation. In case of eye contact, flush with plenty of water for at least 15 minutes, call a physician. For skin contact, wash with soap and water.

430-55

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 5  
05/30/95

## \*\*\*\*\* SECTION VI - REACTIVITY DATA \*\*\*\*\*

STABILITY  
STABLE

Incompatibility (materials to avoid): None reasonably foreseeable.

Hazardous decomposition products: CO, CO<sub>2</sub>, smoke, oxides of heavy metals reported in Section V.

Hazardous polymerization: Will not occur.

## \*\*\*\*\* SECTION VII - SPILL OR LEAK PROCEDURES \*\*\*\*\*

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin contact and breathing of vapor. Confine and remove with inert absorbent.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with Federal, State and local requirements. Do not incinerate in closed containers.

## \*\*\*\*\* SECTION VIII - SPECIAL PROTECTION INFORMATION \*\*\*\*\*

Respiratory: Do not breathe vapors or mists. Wear a properly fitted vapor/particulate respirator approved by NIOSH/MSHA (TC-23C) for use with paints during application and until all vapors and spray mists are exhausted. Follow the respirator manufacturer's directions for respirator use.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA requirements and other suggested exposure limits.

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

Protective creams: Do not use for protection. May be used for ease of clean up.

## \*\*\*\*\* SECTION IX - SPECIAL PRECAUTIONS \*\*\*\*\*

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame.

430-55

## DUPONT MATERIAL SAFETY DATA SHEET

PAGE 6  
05/30/95

## \*\*\*\*\* SECTION IX CONTINUED \*\*\*\*\*

Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 deg F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH/MSHA approved respirator or appropriate ventilation.

## \*\*\*\*\* SECTION X - NOTES \*\*\*\*\*

## NOTICE FROM DUPONT

The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or any process.

Product Manager

\*\*\*\*\* SECTION I \*\*\*\*\*

Manufacturer: E.I. DuPont de Nemours & Co., (Inc.)  
Automotive  
Wilmington, Delaware 19898

Telephone: Product Information (800) 441-7515  
Medical emergency (800) 441-3637  
Transportation emergency (800) 424-9300 (CHEMTREC)

IDENTITY: NASON 3.5 SEALER ACTIVATOR/REDUCER

PRODUCT CODE: 483-50 FORMULA DATE: 930520

OSHA NAME: FLAMMABLE LIQUID

HMIS: H=3, F=3, R=1

\*\*\*\*\* SECTION II - INGREDIENTS \*\*\*\*\*

ING#	CAS NO.	SEC. 313	INGREDIENT
001	NOT AVAILABLE		ISOPHORONE DIIISOCYANATE TRIMER
002	123-86-4		BUTYL ACETATE
003	108-10-1	5 %	METHYL ISOBUTYL KETONE
004	110-43-0		METHYL AMYL KETONE
005	64742-95-6		AROMATIC HYDROCARBON
006	64742-94-5		AROMATIC HYDROCARBON

Section 313 Supplier Notification

The chemicals listed above with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

ING#	VAPOR PRESSURE	ACGIH	EXPOSURE LIMITS	
	MM HG		OSHA	
001	NONE	ACGIH	5.0 PPB	
		OSHA	5.0 PPB	
		OSHA	20.0 PPB	15MIN(STEL)
002	8.00 20 DEG (C)	ACGIH	150.0 PPM	
		OSHA	150.0 PPM	
		ACGIH	200.0 PPM	15 MIN(STEL)
		OSHA	200.0 PPM	15 MIN(STEL)
003	15.00 20 DEG (C)	ACGIH	50.0 PPM	
		OSHA	100.0 PPM	
		ACGIH	75.0 PPM	15 MIN(STEL)

## \*\*\*\*\* SECTION II CONTINUED \*\*\*\*\*

004	2.20	ACGIH	50.0 PPM	
	20 DEG (C)	OSHA	100.0 PPM	
005	10.00	ACGIH	25.0 PPM	TRIMETHYL BENZENE
	25 DEG (C)	OSHA	25.0 PPM	TRIMETHYL BENZENE
006	10.00	DUPONT	100.0 PPM	
	20 DEG (C)	ACGIH	NONE	
		OSHA	NONE	

## \*\*\*\*\* SECTION III - PHYSICAL DATA \*\*\*\*\*

EVAPORATION RATE SLOWER THAN ETHER	VAPOR DENSITY HEAVIER THAN AIR	SOLUBILITY OF SOLVENT SYSTEM IN WATER NOT SOLUBLE
PERCENT VOLATILE BY VOLUME 68.2	APPROX. BOILING RANGE 116-213 DEG (C)	WEIGHT PER GALLON 7.95
PERCENT VOLATILE BY WEIGHT 60.9	PERCENT SOLIDS 39.0	V.O.C. THEORETICAL 4.8

## \*\*\*\*\* SECTION IV - FIRE &amp; EXPLOSION DATA \*\*\*\*\*

FLASH POINT (METHOD) BETWEEN 20 - 73 F (CC)	APPROX. FLAMMABLE LIMITS LEL .8 % UEL 7.9 %
------------------------------------------------	------------------------------------------------

Extinguishing media: foam , carbon dioxide, dry chemical

Special fire fighting procedures: full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to prevent pressure build-up.

Unusual fire & explosion hazards: when heated above the flashpoint, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mist or sprays may be flammable at temperatures below the flash point.

## \*\*\*\*\* SECTION V - HEALTH HAZARD DATA \*\*\*\*\*

ROUTE OF ENTRY	SYMPTOMS/EFFECTS AND FIRST AID
----------------	--------------------------------

Inhalation: May cause nose and throat irritation . May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness.

Reports have associated repeated and prolonged overexposure

## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

to solvents with permanent brain and nervous system damage.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

## OTHER POTENTIAL HAZARDS INCLUDE:

## ISOPHORONE DIIISOCYANATE TRIMER

Repeated exposure may cause allergic skin rash, itching, swelling.

Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure.

Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

## BUTYL ACETATE

May cause abnormal liver function.

Tests for embryotoxic activity in animals has been inconclusive.

Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

## METHYL ISOBUTYL KETONE

Recurrent overexposure may result in liver and kidney injury.

## METHYL AMYL KETONE

Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights.

## AROMATIC HYDROCARBON

Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

## First Aid:

Inhalation: If affected by inhalation of vapor or spray mist, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye: In case of contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and



## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

water. If irritation occurs, contact a physician.

Ingestion: Gastro-intestinal distress.

In the unlikely event of ingestion, call a physician immediately and have names of ingredients available.

Skin or eye contact: May cause irritation of the eyes. Repeated or prolonged skin contact may cause irritation. In case of eye contact, flush with plenty of water for at least 15 minutes, call a physician. For skin contact, wash with soap and water.

## \*\*\*\*\* SECTION VI - REACTIVITY DATA \*\*\*\*\*

STABILITY  
STABLE

Incompatibility (materials to avoid): None reasonably foreseeable.

Hazardous decomposition products: CO, CO<sub>2</sub>, smoke, oxides of heavy metals reported in Section V.

Hazardous polymerization: Will not occur.

## \*\*\*\*\* SECTION VII - SPILL OR LEAK PROCEDURES \*\*\*\*\*

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin contact and breathing of vapor. Confine and remove with inert absorbent.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with Federal, State and local requirements. Do not incinerate in closed containers.

## \*\*\*\*\* SECTION VIII - SPECIAL PROTECTION INFORMATION \*\*\*\*\*

Respiratory: Do not breathe vapors or mists. Wear a properly fitted vapor/particulate respirator approved by NIOSH/MSHA (TC-23C) for use with paints during application and until all vapors and spray mists are exhausted. Follow the respirator manufacturer's directions for respirator use.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA requirements and other suggested exposure limits.

## \*\*\*\*\* SECTION VIII CONTINUED \*\*\*\*\*

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

Protective creams: Do not use for protection. May be used for ease of clean up.

## \*\*\*\*\* SECTION IX - SPECIAL PRECAUTIONS \*\*\*\*\*

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 deg F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH/MSHA approved respirator or appropriate ventilation.

## \*\*\*\*\* SECTION X - NOTES \*\*\*\*\*

## NOTICE FROM DUPONT

The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or any process.

Product Manager

"The following notice is required by California Proposition 65. 'Warning: this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.'"

\*\*\*\*\* SECTION I \*\*\*\*\*

Manufacturer: E.I. DuPont de Nemours & Co., (Inc.)  
Automotive  
Wilmington, Delaware 19898

Telephone: Product Information (800) 441-7515  
Medical emergency (800) 441-3637  
Transportation emergency (800) 424-9300 (CHEMTREC)

IDENTITY: THREE POINT FIVE SEALER

PRODUCT CODE: 422-33 FORMULA DATE: 940307

OSHA NAME: FLAMMABLE LIQUID

HMIS: H=1, F=3, R=0

\*\*\*\*\* SECTION II - INGREDIENTS \*\*\*\*\*

ING#	CAS NO.	SEC. 313	INGREDIENT
001	13463-67-7		TITANIUM DIOXIDE
002	1333-86-4		CARBON BLACK
003	NOT AVAILABLE		ALKYD
004	123-86-4		BUTYL ACETATE
005	108-10-1	13 %	METHYL ISOBUTYL KETONE
006	141-78-6		ETHYL ACETATE
007	1330-20-7	4 %	XYLENE

Section 313 Supplier Notification

The chemicals listed above with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

ING#	VAPOR PRESSURE MM HG	EXPOSURE LIMITS
001	NOT APP	ACGIH 10.0 MG/M3 OSHA 15.0 MG/M3 DUPONT 10.0 MG/M3
002	NOT APP	ACGIH 3.5 MG/M3 OSHA 3.5 MG/M3
003	NONE	ACGIH NONE OSHA NONE
004	8.00 20 DEG (C)	ACGIH 150.0 PPM OSHA 150.0 PPM ACGIH 200.0 PPM

15 MIN(STEL)

## \*\*\*\*\* SECTION II CONTINUED \*\*\*\*\*

		OSHA	200.0 PPM	15 MIN(STEL)
005	15.00	ACGIH	50.0 PPM	
	20 DEG (C)	OSHA	100.0 PPM	
		ACGIH	75.0 PPM	15 MIN(STEL)
006	76.00	ACGIH	400.0 PPM	
	20 DEG (C)	OSHA	400.0 PPM	
007	25.00	ACGIH	100.0 PPM	
	25 DEG (C)	OSHA	100.0 PPM	
		ACGIH	150.0 PPM	15 MIN(STEL)
		OSHA	150.0 PPM	15 MIN(STEL)

## \*\*\*\*\* SECTION III - PHYSICAL DATA \*\*\*\*\*

EVAPORATION RATE SLOWER THAN ETHER	VAPOR DENSITY HEAVIER THAN AIR	SOLUBILITY OF SOLVENT SYSTEM IN WATER NOT SOLUBLE
PERCENT VOLATILE BY VOLUME 39.0	APPROX. BOILING RANGE 76-155 DEG (C)	WEIGHT PER GALLON 11.40
PERCENT VOLATILE BY WEIGHT 23.6	PERCENT SOLIDS 76.3	V.O.C. THEORETICAL 2.6

## \*\*\*\*\* SECTION IV - FIRE &amp; EXPLOSION DATA \*\*\*\*\*

FLASH POINT (METHOD) BETWEEN 20 - 73 F (CC)	APPROX. FLAMMABLE LIMITS LEL 1.0 % UEL 11.2 %
------------------------------------------------	--------------------------------------------------

Extinguishing media: foam , carbon dioxide, dry chemical

Special fire fighting procedures: full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to prevent pressure build-up.

Unusual fire & explosion hazards: when heated above the flashpoint, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mist or sprays may be flammable at temperatures below the flash point.

## \*\*\*\*\* SECTION V - HEALTH HAZARD DATA \*\*\*\*\*

ROUTE OF ENTRY                      SYMPTOMS/EFFECTS AND FIRST AID

Inhalation: May cause nose and throat irritation . May cause nervous system depression characterized by the following

## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

## OTHER POTENTIAL HAZARDS INCLUDE:

## TITANIUM DIOXIDE

In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m<sup>3</sup> respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m<sup>3</sup> level are not relevant to the workplace.

## BUTYL ACETATE

May cause abnormal liver function.  
Tests for embryotoxic activity in animals has been inconclusive.  
Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

## METHYL ISOBUTYL KETONE

Recurrent overexposure may result in liver and kidney injury.

## ETHYL ACETATE

Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs.

## XYLENE

High concentrations have caused embryotoxic effects in laboratory animals.  
Recurrent overexposure may result in liver and kidney injury.  
Can be absorbed through the skin in harmful amounts.

## First Aid:

Inhalation: If affected by inhalation of vapor or spray mist, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye: In case of contact, immediately flush with

## \*\*\*\*\* SECTION V CONTINUED \*\*\*\*\*

plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Ingestion: Gastro-intestinal distress.

In the unlikely event of ingestion, call a physician immediately and have names of ingredients available.

Skin or eye contact: May cause irritation of the eyes. Repeated or prolonged skin contact may cause irritation. In case of eye contact, flush with plenty of water for at least 15 minutes, call a physician. For skin contact, wash with soap and water.

## \*\*\*\*\* SECTION VI - REACTIVITY DATA \*\*\*\*\*

STABILITY  
STABLE

Incompatibility (materials to avoid): None reasonably foreseeable.

Hazardous decomposition products: CO, CO<sub>2</sub>, smoke, oxides of heavy metals reported in Section V.

Hazardous polymerization: Will not occur.

## \*\*\*\*\* SECTION VII - SPILL OR LEAK PROCEDURES \*\*\*\*\*

Steps to be taken in case material is released or spilled: Ventilate area. Remove sources of ignition. Prevent skin contact and breathing of vapor. Confine and remove with inert absorbent.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with Federal, State and local requirements. Do not incinerate in closed containers.

## \*\*\*\*\* SECTION VIII - SPECIAL PROTECTION INFORMATION \*\*\*\*\*

Respiratory: Do not breathe vapors or mists. Wear a properly fitted vapor/particulate respirator approved by NIOSH/MSHA (TC-23C) for use with paints during application and until all vapors and spray mists are exhausted. Follow the respirator manufacturer's directions for respirator use.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA require-

## \*\*\*\*\* SECTION VIII CONTINUED \*\*\*\*\*

ments and other suggested exposure limits.

Protective clothing: Neoprene gloves and coveralls are recommended.

Eye protection: Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

Protective creams: Do not use for protection. May be used for ease of clean up.

## \*\*\*\*\* SECTION IX - SPECIAL PRECAUTIONS \*\*\*\*\*

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 deg F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH/MSEA approved respirator or appropriate ventilation.

## \*\*\*\*\* SECTION X - NOTES \*\*\*\*\*

## NOTICE FROM DUPONT

The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or any process.

Product Manager

"The following notice is required by California Proposition 65. 'Warning: this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.'"