

CITY OF GARDEN GROVE OFFICE OF THE CITY CLERK

Safeguard all official records of the City. Conduct municipal elections and oversee legislative administration. Provide reliable, accurate, and timely information to the City Council, staff, and the general public.

Steven R. Jones Mayor

John R. O'Neill Mayor Pro Tem - District 2

George S. Brietigam Council Member - District 1

Diedre Thu-Ha Nguyen Council Member - District 3

Patrick Phat Bui

Council Member - District 4

Stephanie Klopfenstein Council Member - District 5

Kim B. Nguyen

Council Member - District 6

April 19, 2021

Request # 6709

Requester: Jacob Mullins Company: Trileaf Corporation

Re: 11602 Anabel Ave.

Dear Mr. Mullins,

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. The City does not provide records on spills, leaks and clean-up, as that information is provided through the County of Orange Health Department.

Sincerely.

Amanda Pollock City of Garden Grove City Clerk's Office

GARDEN GROVE



FIRE DEPARTMENT

HAZARDOUS MATERIALS DISCLOSURE PROGRAM

REPORTING FORMS PACKET

SHORT VERSION

FOR OFFICIAL USE ONLY
FACILITY ID NO. 198
BUSINESS NAME PBS Engineering
BUSINESS ADDRESS 11602 analyl ave
APPROVED BY 6 DATE 6/2011
NEW BUSINESS
PICK 4D BUSLIST CALARP: ' CUPA: GIS
FEE

Revised 2/2007

Revil 04-11-08P01:14 FILE

C.



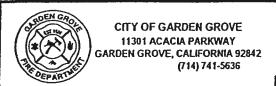


CITY OF GARDEN GROVE FIRE DEPARTMENT

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

Hazardous Materials Business Information Form

	F	age of 3
BUSINESS	INFORMATION	
FACILITY:# 3 0 0 3 5	BEGINNING DATE 4/01/08	ENDING DATE 2
BUSINESS NAME PBS Engineering		BUSINESS PHONE 5 714-534-6700
BUSINESS SITE ADDRESS 11602 Anabel Ave		6
GARDEN GROVE	7 STATE 8	92843
DUN & BRADSTREET	10 SIC CODE (4 DIGIT #) 11	FIRE DISTRICT 12
COUNTY ORANGE		13
BUSINESS OPERATOR NAME	14 OPERATOR'S I	PHONE 15
BUSINE	SS OWNER	
ENVIRONME	NTAL CONTACT	
	The second line	3
		4
		7
		050010451
	Y CONTACTS	SECONDARY
EM/ President	TITLE V. Proidert	34
714 - 534-6700	BUSINESS PHONE 7/4-5-34-67	35 S
24-ND BUONE 31	24-HR. PHONE	
PAGER # 32	PAGER#	31
ADDITIONAL LOCALLY O	OLLECTED INFORMATION	
DESCRIBE THE TYPE OF BUSINESS OPERATION: Machine Sho	38	TOTAL # OF EMPLOYEES 39
BILLING ADDRESS (IF DIFFERENT FROM ABOVE)	40	ATTENTION 41
PROPERTY OWNER NAME PSS ENGINEERING 42 ADDRESS	43	PHONE 44
Certification: Based on my inquiry of those individuals responsi have personally examined and am familia المنافعة the information sub	ble for obtaining the information, I committed and believe the information is	ertify under penalty of law that I
nave personally examined and am familiar with the information sub- SIGNATURE OF OWNER OPERATOR OR DESENTATIVE	45	DATE 04/01/2008 46
NAME OF STONER (sriet) 47	NAME OF DOCUMENT PREPARER (print	49
TITLE OF SIGNER 48	TITLE OF DOCUMENT PREPARER	50



CUPA

BUSINESS ACTIVITIES

			•	PageJ ofI
í. FACILÍT	Y ÍDENTIFI	CÄTION		
FACULTY ID# 3 0 0 3 5	i. EPA ID	# (Hazard	lous V	Vaste Only) 2
FACILITY ID# 3 0 0 3 5	c	AD9	219	95377
BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Busines		1	<u></u>	3.
	,			
PBS Engineering			•	
II. ACTIVI	ries decl	ARATION		
NOTE: If you check	YES to	any pa	art of	f this list.
please submit the Business				
picase submit the business	Ownen	Оронас	OI ile	ion infection threads:
Does your facility		If Yes, p	lease	complete these pages of the UPCF
A. HAZARDOUS MATERIALS	1			
Have on site (for any purpose) hazardous materials at or above 5		□ио	4.	✓ HAZARDOUS MATERIALS INVENTORY -
gallons for liquids, 500 pounds for solids, or 200 cubic feet fo compressed gases (include liquids in ASTs and USTs); or the				CHEMICAL DESCRIPTION (Form 3)
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? B. UNDERGROUND STORAGE TANKS (USTs)				
Own or operate underground storage tanks?	T YES	E NO	5	✓ UST FACILITY (Formerly SWRCB Form A)
1. Own or operate underground storage tanks:	10.23	A	••	✓ UST TANK (one page per tank) (Formerly Form B)
2. Intent to upgrade existing or install new USTs?	☐ YES	NO	6.	✓ UST FACILITY
		(Z.)		✓ UST TANK (one per tank)
	1			✓ UST INSTALLATION - CERTIFICATE OF
				COMPLIANCE (one page per tank) (Formerly
<u> </u>		_		Form C)
3. Need to report closing a UST?	YES	NO	7.	✓ UST TANK (closure portion-one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)				
Own or operate ASTs above these thresholds:	L	dua	•	4 NO 500M 050M 050 TO 04040
 any tank capacity is greater than 660 gallons, or the total aggregate capacity for the entire facility (ASTs, drums and 	YES	NO	8.	✓ NO FORM REQUIRED TO CUPAS
portable containers) greater than 1,320 gallons?	i			·
D. HAZARDOUS WASTE		/		
1. Generate hazardous waste?	☐ YES	NO	9.	✓ EPA ID NUMBER - provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable	YES	NO D	10.	✓ RECYCLABLE MATERIALS REPORT
materials (per HSC §25143.2)?	Į.			(one per recycler)
3. Treat hazardous waste on site?	L VEC	EK NO		CONCITE HAZARDONG WASTE
5. Treat hazardous waste on site?	☐ YES	NO NO	11.	✓ ONSITE HAZARDOUS WASTE TREATMENT - FACILITY
	1			(Formerly DTSC Forms 1772)
				✓ ONSITE HAZARDOUS WASTE
	1			TREATMENT - UNIT (one page per unit)
A Treatment without to Fig. 11 to 2		d		(Formerly DTSC Forms 1772A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by	YES	NO	12.	
Rule and Condition Authorization)? 5. Consolidate hazardous waste generated at a remove site?	D vcc	Thun.		ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remove site?	YES	NO	13.	✓ REMOTE WASTE/CONSOLIDATION SITE
				ANNUAL NOTIFICATION (Formerly DTSC
6. Need to report the closure/removal of a tank that was classified	D vcc	ZINO		Form 1196)
6. Need to report the closure/removal of a tank that was classified waste and cleaned onsite?	YES	NINO	14.	✓ HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)
E. LOCAL REQUIREMENTS				Carrie Torritor (Comeny D13010mi 1243)
Cal-ARP: California Accidental Release Prevention Program	☐ YES	NO NO	15.	✓ REGULATED SUBSTANCE REPORTING
H&SC Chapter 6.95, Article 2, §25531 et seq			ļ	FORM (Orange County CUPA)
Stationary Source with more than a Threshold Quantity of a Regulated		•		
Substance in a Process				



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FACILITY ID# 3 0 0 3	5	38 BUŞINE	ss name BS Engine	erin 4			3
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CONFIDENTIAL LOCATION EPCRA	Yes	No 5 MAP#	A		6 GRID#	W/Z	7
18 18 18 18 18 18 18 18 18 18 18 18 18 1		II. CHEMICA	AL INFORMATIO	N			
CHEMICAL NAME			WASTE	Yes	8 TRADE SE	ECRET Yes	⊠ No 11
OxyGen		· · · · · · · · · · · · · · · · · · ·				CRA see instructions	□ No. 12
COMMON NAME OX VG-CO					7.1.21.30	hemical Yes "Yes", all amounts must be	□ 140
CAS#	10 FIRE CODE H	AZARD CLASSES (supplied	l by GGFD)				13
TYPE (Check one item only)	E D. MIXTURE	C. WASTE	14 RADIOACTIVE	Yes	Ø No 1	5 CURIES	16
PHYSICAL STATE a. SOL	ID b. LIQUID	c. GAS 17	FED HAZARD CATEGORIES	a. FIRE	b. REACTIVE	C. PRESSURE R	ELEASE 18
(Check one Item only)		,		d. ACUTE HE	ALTH	e. CHRONIC HE	ALTH
AVERAGE DAILY AMOUNT 125 CM P	19 MAXIMUM DAILY AMOUNT	250, cust	ANNUAL WASTE AN	MOUNT	21 ST/	ATE WASTE CODE	22
		DAYS ON SITE		24	LARGEST CON	TAINER	25
c. POUNDS	d. TONS	365			125	cuft	
Registration of the second state of the second		e. PLASTIC DRUM	i. VAT		CYLINDER . GLASS CONTAIN	☐ q. TANK W	
CONCERNOS PRODUCTIONS PRODUCTION OF THE PRODUCTI	NDERGROUND TANK ANK INSIDE BLDG	f. NONMETALLIC DRU g. METAL CONTAINER	I. BAG(S)	□∘	PLASTIC CONTAI	INER S. TOTE B	
□ a s	TEEL DRUM	h. CARBOY	I. BOX(S)		. IN MACH OR EQ	UIP L OTHER_	27
STORAGE PRESSURE	a. AMBIENT			c. BELOV			28
STORAGE TEMPERATURE	a. AMBIENT	☐ b. ABOVE	SOCIETY OF THE STREET	c. BELOV		d. CRYOGENIC	
%WT H/	AZARDOUS COM	PONENT (For mixtu			EHS	MANUAL TAKENING NO	AS#
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2 29				30 □ Y€	es 💆 No	31	32
3 29				30 □ Y€	es 💆 No	31	32
4 29	.,			30 □ Y€	s 🗹 No	31	32
5 29				30 □ Y€	s ØNo	31	32
If more hazardous components are presen	t at greater than 1% by welg	ht If non-cercinogenic, or 0.1	% by weight if carcinogen	ic, attach additi	onal sheets of pape	r capturing the required in	ormation.
		PLACARDIN	IG INFORMATIO	N			
	-				NFPA 704 H/	AZARD DIAMOND	
UNDOT# Fun /0/ Refer	2 to shipping papers	s or MSDS	33		FIRE (RED)	REAC	TN/4=
	T. OPER		34		ALTH •	◆ (VELL	
DOT HAZARD CLASS	Refer to shipping	papers or MSDS		(B	SPECIAL	WHITE	37
EDOBA ELVES CAS			35		HAZARD 🐬	OX/M	
EPCRA YES NO							
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If EF	PCRA, Please Sign	n Here	36	INVE	NIUKY FUR	M AS NEEDED	



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TYPE (Check one item only)	a. PURE	b. MIXTURE	c.v	VASTE 1	14 RADIOACTIVE		Yes	2/No 1	5 CU	RIES		16
PHYSICAL STATE (Check one item only)	a. SOLID	☐ b. LIQUID	C GAS		TEGORIES	a. FIRE		. REACTIVE	_	E. PRESSURE RE		18
AVERAGE DAILY	<u>i</u>	MAXIMUM DAILY	· · · · · · · · · · · · · · · · · · ·	20 /	ANNUAL WASTE AN		E HEALTH			STE CODE		22
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UNITS a GALL	_		23 DAYS ON SI				24 LA	RGEST CON		0.1		25
	unt must be in pounds.			65				336	CU			26
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5 29] Yes	No	31			32
If more hazardous compo	nents are present at gre	ater than 1% by welg					edditional s	hests of pape	capturli	ng the required info	rmation.	
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THE FOLLOWING FORMS ARE FOR USE IN THE EVENT OF AN ACTUAL OR THREATENING HAZARDOUS MATERIALS EMERGENCY.

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.

BUSINESS EMERGENCY PLAN

Personnel Emergency Notifications and Responsibilities

Employee Evacuation and Staging Areas:

1.	The ty	ре о	of alarm	signal	that	will	be	used	to	initiate	an	evacuation	at	the
	facility	(voc	al, pagir	ng syste	em, m	nanu	al a	larm,	etc	.).				

VOCAL Paging 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 as shown on your site plan map:

X-auad

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 area available at your business. (List below any mitigation procedures specific to your business, if any.)

Run		
*		

BUSINESS EMERGENCY PLAN

Personnel Emergency Notifications and Responsibilities (Continued)

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.

Agency	Phone Numbers
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

BUSINESS EMERGENCY PLAN

Personnel Emergency Notifications and Responsibilities (Continued)

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 st	orage 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.	Compre	ssed and/or cryogenic gas storage areas:
	a.	Cylinder 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.).
1	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 (CFC 8001.3.2) to retain a copy of this entire Hazardous Materials Disclosure information, including the 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.

office			

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:

Name:

Title:

Date: 04/01/2009

HAZ BUS DISCL SHORT VER

BUSINESS EMERGENCY PLAN

Business Name PBS Engineering, Inc.			
Business Address 11602 Anabel	City Exivden Grove	State A Zip 92	643
Mailing Address Same	City	StateZip	•
Business Phone (714) 534-6700	-		
FAX Number (714) 534 - 4975			
Owner/Operator: Name AddressSame_as above		(<u>714) 534 -67</u> - State <u> Zi</u> p <u> </u>	
Primary Contact : Name			
Address _	City	State Zip	
24 Hour Phone Number	Phone Number	(714) 534-67	00
Type of Business Operation Automotive Mac	hine Shop		

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 abovementioned 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

(4	A)	Emp	olo	yee	Evacuati	on a	and	Staging	Areas:

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

PA, vocal

- 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:

Street in front of building

(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.)

(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 Isolation and separation of incompatible materials
	b Diking areas to contain spills
	c_ <a>Storage on paved ground
2.	Compressed and/or cyrogenic gas storage areas:
	aCylinders stored upright and secured
	b Isolation and/or separation of incompatible cylinders (oxygen and flammable gases, etc.)
3.	General:
	a $\underline{\hspace{0.1cm} \hspace{0.1cm} 0.1cm$
	b Employees who handle hazardous materials are properly trained.
	c Material Safety Data Sheet (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.)
	eUniform Fire Code (UFC) requires separation between outside hazardous material storage area or tanks and combustible materials (wood, brush, etc.)
	f Posting of "No Smoking" signs where appropriate.

	Other:
4.	()thorn
4	\ /\

a____

b

c____

d

F) Site Plan

FIRE HYDRANT

Use the symbols below to indicate, on the attached sheet, specific areas on the Site Plan. If the attached sheet is not sufficient, consult the instruction packet to prepare this plan. The Site Plan should be neat, clean, and drawn to scale, if possible.

12	HAZARDOUS MATERIAL LISTED BY SYMBOL AND NUMBER.	NOTE: THIS NUMBER SHOULD CORRESPOND WITH NUMBERS LISTED ON DISCLOSURE FORM.
E	ELECTRICAL MAIN	5
G	GAS MAIN	
W	WATER MAIN	
	EVACUATION AREA	
N N	NORTH DIRECTIONAL ARROW	
KB	INDICATE KNOX BOX LOCATIONS (lock box for	keys)
AS	AUTOMATED SPRINKLERED BUILDING N	EEDED ON ALL SPRINKLERED BUILDINGS.
く	FIRE DEPARTMENT SPRINKLER CONNECTION	

GARDEN GROVE



FIRE DEPARTMENT

HAZARDOUS MATERIALS DISCLOSURE PROGRAM

REPORTING FORMS PACKET PART 1

	FOR OFFI	ICIAL USE ONLY	
FACILITY ID	NO		
BUSINESS N	IAME		
APPROVED	BY:	DATE:	
NEW BUSINE	NEW BUSINESS UPDATE		
FEE	1 2	3 4 5 6	
PICK 4D	BUSLIST _	_ CALARP: _ CUPA: _ GIS	



Hazardous Materials Disclosure

Program Description. Disclosure Forms, Placard Information

This Program Affects Your Business

State and federal legislation requires <u>EVERY BUSINESS</u> that handles or stores hazardous materials and/or hazardous waste above a specified amount, to report their inventories to their local fire department. This disclosure information will assist the Fire Department in responding to emergencies involving hazardous materials along with meeting the "Community Right to Know Act" and safeguarding the environment.

Does Your Business Handle Hazardous Materials?

Many materials you may not consider as a "hazardous material" are, in fact, hazardous. If it is flammable, combustible, corrosive, caustic, explosive, toxic, poisonous, an irritant, etc., then it is a hazardous material. Also, if the item has a warning label or the manufacturer supplies a Material Safety Data Sheet (MSDS), it is considered it a hazardous material.

Consider the materials that you use in your business operations. If there are any hazards associated with them, then you are handling a hazardous material. The question now becomes one of, "Is this hazardous material a reportable quantity?" Basically, if your business handles any single hazardous material at any one time, in an amount greater than or equal to

55 gallons of a liquid, 500 pounds of a solid, or 200 cubic feet of a gas, 500 gas,

then you have a reportable quantity and are required to report your inventory to the fire department.

Other Circumstances

In addition, there are chemicals that state and federal governments have deemed to be "Extremely Hazardous Substances" (EHS) chemicals. These chemicals will be subject to SARA III or EPCRA reporting, as indicated on the MSDS. As a general rule, EHS items are required to be disclosed regardless of the amount.

Reportable amounts of waste materials must be disclosed. The fire department monitors the disclosure only, while Orange County Environmental Health regulates and tracks hazardous wastes for the city of Garden Grove.

Cost Recovery

Fees are assessed to recoup the costs involved in operating the Hazardous Materials Disclosure Program. The fees are determined by the amount and number of reportable chemicals and/or the number of employees. Your business will be billed annually by the Orange County Certified Unified Program Agency (CUPA) for Garden Grove's Hazardous Material Disclosure Program fees. See Page 3 for Fee Schedule.

Penalties

Failure to report disclosure information in a timely manor may result in fines and penalties of up to \$2,000 per day, and up to \$5,000 per day for knowingly refusing to disclose (California Health and Safety Code, Section 25514).

How Do I Complete This Packet?

- Determine if your business handles reportable quantities of a hazardous material. If you
 have not read the first page of this booklet, please do so now. Many items you may not consider
 as "hazardous," are indeed recognized as a "hazardous material" under state and/or federal law.
- 2. Complete the CUPA Business Activities Form, required by Orange County Health Care Agency.
- 3. Complete Form 1, the Business Information Form. Each box is numbered and has a corresponding explanation in the instructions preceding this form. Likewise, instructions precede Forms 2 and 3.
- 4. Complete Form 2. This is the site plan of your facility. Please use the legend symbols as needed. This information is important, as it will inform the fire department of the location of your hazardous materials, and will also provide vital information during emergency responses pertaining to the layout of your facility.
- Complete Form 3, the Chemical Inventory Form. Fill in your business name and make as many copies as needed to disclose all your reportable hazardous materials. Please use one form per chemical and/or each waste item. Accompany each form with the respective MSDS.
- 6. Complete the Emergency Business Plan. This is a fill-in-the-blank safety workbook that will assist your business in maintaining safety, and also help to remain in compliance with hazardous materials laws and OSHA regulations. Since state law requires the fire department to review your business plan for sufficiency, you must return it along with the other forms. Please note that the Business Emergency Plan workbook has two versions. The version that applies to you will depend on the complexity of your business. Businesses are required to keep a separate copy of their Business Emergency Plan at their location. The original is kept on file at the Garden Grove Fire Department.

Updates To Disclosure

You are required to notify the Hazardous Materials Coordinator at the Garden Grove Fire Department, of any changes in your business information, and/or chemical inventory information, within 30 days. The entire disclosure packet does not necessarily need to be resubmitted. You only will need to submit Forms 1, 2, or 3, whichever one(s) may be affected.

MSDS Copies

MSDS are requested for each chemical submitted. MSDS may be obtained from your supplier.

Items To Be Returned To The Fire Department

- 1. The Hazardous Materials Disclosure: Part 1
 - a. Business Information Form 1
 - b. Site Plan Form 2
 - c. Chemical Inventory Form 3
- The Business Emergency Plan: Part 2
- Copies of the Material Safety Data Sheet
 - a. The law requires that the suppliers provide MSDS.
- 4. CUPA Business Information Form

Assistance

The Garden Grove Fire Department recognizes that completing the forms may be difficult and/or time consuming; therefore, any assistance you may need is offered to you. 'Also, if you prefer the form to be filled out for you, the department offers a Hazardous Materials Disclosure Reporting Assistance Program. Under this program, forms are completed upon payment of the appropriate fees. You may contact the Hazardous Materials Coordinator at (714) 741-5636 for an informational letter explaining the program and its limitations.

Fee Schedule

The schedule listed below shows the current fees adopted for the Garden Grove Fire Department Hazardous Materials Disclosure Program, Resolution No. 8101-98, under Hazardous Material Ordinance No. 1986.

Hazardous Material Assist/Consulting Fee\$25.00 per half-hour (2 hour m	axi	mum)
1 –15 chemicals, <10,000 gallons <1000 lbs. <1000 cu ft of compressed gas, 1-10 Employees	\$	200
1-15 chemicals, <20,000 gallons <2000 lbs. <2000 cu ft of compressed gas, 11-20 Employees	\$	300
1 –15 chemicals, <30,000 gallons <3000 lbs. <3000 cu ft of compressed gas, 21-30 Employees	\$	400
>30,000 gallons, >3000 lbs., >3000 cu ft of compressed gas, +31 Employees	\$	500
16 – 30 chemicals	\$	750
31 or more chemicals	\$	1,000

Note: Businesses that start operations within in the year will be prorated per each month of operation.



CITY OF GARDEN GROVE FIRE DEPARTMENT

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

Hazardous Materials Business Information Form

Page __ of __

- BUSINESS I	NFORMATION	
FACILITY 3 3 0 0 3 5	BEGINNING DATE 5/01/05 1 ENDING DATE	2
BUSINESS NAME	4 BUSINESS PHONE 714-534-6700	5
BUSINESS SITE ADDRESS 11602 Anabel AVE		6
CITY GARDEN GROVE	7 STATE 8 ZIP 92843	9
DUN & BRADSTREET	10 SIC CODE (4 DIGIT #) 11 FIRE DISTRICT	12
COUNTY ORANGE		13
BUSINESS OPERATOR NAME	14 OPERATOR'S PHONE	15
BUSINES	SS OWNER	100
OWNER NAME PBS ANG INC	16 OWNER PHONE	17
OWNER MAILING ADDRESS 11602 ANABEL NE		18
CITY G.G	Ch 923 B	21
ENVIRONME		23
CONTACT NAME UNKNOWN		24
CONTACT MAILING ADDRESS		
CITY	23 31812 20 25	27
	Y CONTACTS SECONDARY	33
NAME 28	TYATVIE	
TITLE GEN MEN	THE	34
BUSINESS PHONE 534 6700	BUSINESS FRUNE	35
24-HT PHONE 31	24-HR, PHONE	36
PAGER# 32	PAGER#	37
ADDITIONAL LOCALLY C	COLLECTED INFORMATION	
DESCRIBE THE TYPE OF BUSINESS OPERATION Machine Shop	38 TOTAL # OF EMPLOYEES	39
BILLING ADDRESS (IF DIFFERENT FROM ABOVE)	40 ATTENTION	41
PROPERTY OWNER NAME SAME 42 ADDRESS	43 PHONE	44
Certification: Based on my inquiry of those individuals responsing have personally examined and am familiar with the information sub	ible for obtaining the information. I certify under penalty of law that imitted and believe the information is true, accurate, and complete.	t I
SIGNATURE OF DESIGNATED REPRESENTATIVE	45 DATE	46
NAME OF SIGNER (print) 47	NAME OF DOCUMENT PREPARER (pnnt)	49
TITLE OF SIGNER 48	TITLE OF DOCUMENT PREPARER	50

GUIDE FOR COMPLETING THE CALIFORNIA HAZARDOUS MATERIAL BUSINESS INFORMATION - FORM 1

There are minimum hazardous material inventory report and data management requirements in Chapter 6.95 of Division 20 of the California Health and Safety Code and Section 11022 of Title 42 of the United States Code (1989). This inventory form is required to be used by businesses and administering agencies. It is designed to include inventory information mandated under both state and federal laws.

	BUSINESS OWNER & OPERATOR IDENTIFICATION				
	DATA ELEMENT BOXES	INFORMATION REQUIRED			
	Facility ID Number	Number assigned by GGFD. Leave this blank.			
1.	Calendar year beginning	The current date you are filling out this report (e.g., 8/21/2001).			
2.	Calendar year ending	The ending date and current year of the report (e.g., 12/31/2001).			
3.	Page 1 of	The number of total pages in the inventory, including this page.			
4.	Business Name	Enter the full legal name of the business or facility.			
5.	Business Phone	Enter the business phone number			
6.	Business Site Address	Enter the street address, including street, avenue, boulevard, etc., where the facility is located. No post office box numbers. This information must provide a means to geographically locate the facility.			
7.	Cîty	Enter the city where the facility is located. Garden Grove filled in for you.			
8.	State	Enter the two-character state abbreviation. CA filled in for you.			
9.	Zip	Enter the zip code for the street address shown above.			
10.	Dun & Bradstreet (Optional)	Enter the Dun & Bradstreet number for the facility. The Dun & Bradstreet number can be obtained by calling (610) 882-7748.			
11.	SIC Code	Enter the facility Standard Industrial Classification four digit code. NOTE: If code is more than four digits, report only the first four. If you don't know your SIC Code, leave blank and the Fire Department will fill it in for you.			
12.	Fire District	(Fire Dept. Use – Leave Blank)			
13.	County	Enter the county where facility is located. Orange is filled in for you.			

	BUSINESS OWNE	ER & OPERATOR IDENTIFICATION
	DATA ELEMENT BOXES	INFORMATION REQUIRED
14.	Business Operator/Manager's Name	Enter the name of the business operator/manager.
15.	Operator Phone Number	Enter business operator phone number if different from business phone, area code first, and any extension.
16.	Owner Name	Enter name of business owner.
17.	Owner Phone Number	Enter the owner's phone number, if different from business phone.
18.	Owner Mailing Address	Enter the owner's mailing address, if different from business address.
19.	City	Owner's mailing address – City
20.	State	Owner's mailing address – State
21.	Zip	Enter the zip code for the above address
22.	Environmental Contact Name	Enter the name of the person, if different from the Business Owner and Operator, that receives all environmental correspondence and will respond to enforcement activity.
23.	Contact Phone Number	Enter the phone number at which the above person can be contacted—area code first, then any extension.
24.	Mailing Address	Enter the mailing address, if different from the site address, where all environmental correspondence should be sent.
25.	City	Enter the name of the city.
26.	State	Enter the state abbreviation.
27.	Zip	Enter the zip code for the above address.
28.	Primary Contact Name	Enter the name of a facility representative that can be contacted in case of an emergency involving hazardous materials at the facility. The contact should have FULL facility access, site familiarity, and authority to make decisions for the business regarding incident mitigation.
29.	Primary Contact Title	Enter the title of the primary contact.
30.	Primary Business Phone	Enter the business phone number for the primary contact, area code first and any extensions.
31.	Primary 24-hour Phone	Enter the 24-hour phone number for the primary contact.
32	Primary Pager Number	Enter the pager telephone number for the primary contact, if available.

	BUSINESS OWNER & OPERATOR IDENTIFICATION		
	DATA ELEMENT BOXES	INFORMATION REQUIRED	
33.	Secondary Contact Name	Enter the name of facility official that can be contacted in the event that the primary contact is not available. The contact should have FULL facility access, site familiarity, and authority to make decisions for the business regarding incident mitigation.	
34.	Secondary Contact Title	Enter the title of the secondary contact.	
35.	Secondary Business Phone	Enter the business number for the secondary contact.	
36.	Secondary 24-hour Phone	Enter the 24-hour phone number for the secondary contact.	
37.:	Secondary Pager Number	Enter the pager number for the secondary contact, if available.	
38.	Business Operation	Description of main operations and/or processes at this site.	
39.	Total # of employees	Number of employees at this site.	
40.	Billing Address	Billing address, if different from site address.	
41.	Attention:	Responsible person or department for billing purposes.	
42.	Property Owner Name		
43.	Property Owner Address		
44.	Phone	Properly Owner's phone	
45.	Owner/Operator Signature	The business owner/operator shall sign in the space provided. The signature certifies that all information contained in the inventory report (including subsequent chemical description information) is true, accurate, and complete.	
46.	Date	Enter the date that the document was signed (e.g., 03/01/98).	
47.	Name of Signer (Print)	Print the full name of owner/operator on line 45.	
48.	Title of Signer (Print)	Print the title of signer on line 48.	
49.	Name of Document Preparer	Print the full name of the document preparer.	
50.	Title of Document Preparer	Print the title of document preparer.	

haz-mat disclosure prog doc

INSTRUCTIONS TO COMPLETE SITE PLAN DRAWING FORM 2

Attach a map of the facility using the standard grid. As a minimum, the map should show the following:

1.	Site	Layout
----	------	--------

- Scale of map (if any)
- Site orientation (North arrow)
- Loading areas
- Parking lots
- Internal roads
- Storm and sewer drains
- Adjacent property use
- Locations and names of adjacent streets and alleys
- Access and egress points and roads

2. Facility

- Location of each hazardous material (shown by placing J on attached map).
- If hazardous material is not listed, use a square box (ex. CI chlorine) and label as needed.
- Place a letter in the box, from the map symbol legend that best describes the material; i.e., w = waste oil.
- For example, equipment for fire Location of emergency response equipment. suppression, approach and mitigation, protective clothing, medical response, etc.

NOTE: When you fill out Haz-Mat Form 3 (Chemical Information Form), you will use the matrix coordinates on this map to show where each hazardous material is stored or handled (i.e., acetone is at A-3, waste oil is stored at C-4, etc.). This will help Fire Fighters in the event of a fire or hazardous materials spill at your facility.

ALTERNATE METHOD

If you already have a good site diagram, and if it can be reduced to an 8-1/2 inch by 11 inch page and still be legible, then you can submit that map instead of this form. Just draw the matrix over the map, and make sure it shows all the information listed above.



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INSTRUCTIONS FOR THE CHEMICAL INVENTORY DESCRIPTION PAGE FORM 3

You must complete a separate Hazardous Materials Inventory Form for <u>each</u> hazardous material or hazardous waste that you handle at your facility in amount equal to or greater than:

- 500 pounds of a solid; 55 gallons of a liquid; 200 cubic feet of compressed gas
- Any amount of Extremely Hazardous Substance (EHS) or Acutely Hazardous Materials (AHM)
- 1. Type or print legibly in black ink only.
- 2. Photocopy the blank form and save if needed later.
- 3. Fill in your business name (Box 3).
- 4. Photocopy the number of forms you'll need for completing an inventory for <u>each</u> of your reportable chemicals.
- 5. Complete the Chemical Information (Box 1 through 39). Material Safety Data sheets contain necessary information to complete this form.
- 6. Supply MSDS for each reportable chemical.

	INSTRUCTIONS FOR THE CHEMICAL INVENTORY DESCRIPTION PAGE FORM 3		
	DATA ELEMENT BOXES	INFORMATION DESCRIPTION	
1.	Add, Delete, Revise	Check the appropriate box to identify if the chemical is being added to the inventory, deleted from the inventory or if the information previously submitted is being revised.	
2.	Page Number, Total Pages	The number of the page and the number of total pages in the inventory, including the business information form.	
3.	Business Náme	Enter full business name of facility.	
4.	Chemical Location	Enter the area, building, address, etc. where the hazardous material/waste is handled. Example: Northwest wall of shop inside the building. South of chiller plant outside the building. Note: This information is not subject to public disclosure.	

	INSTRUCTIONS FOR THE CHEMICAL INVENTORY DESCRIPTION PAGE FORM 3			
DATA ELEMENT BOXES			ES	INFORMATION DESCRIPTION
5.	Confidential Location EPCRA		Υ N	All businesses which are subject to the Emergency Planning and Community Right to Know Act (EPCRA) must check "Yes" to keep chemical location confidential. Otherwise check "No."
6.	6. Map Number			If more than one map is included, enter the number of the map on which the location of the hazardous material is shown.
7.	Grid Number			Enter the grid coordinates of the map, showing the location of the hazardous material is shown.
8.	Chemical Name			Enter the proper chemical name of the hazardous material. If a waste check \square Yes.
9.	Common Name			Enter the common name or trade name of the hazardous material/waste.
10.	CAS Number			Enter the Chemical Abstract Service (CAS) number for the hazardous material. For mixtures, enter the CAS number of the mixture, if it has been assigned a number distinct from its components. If it has no CAS number, leave this column blank and report the CAS number of the individual hazardous components in the appropriate section below.
11.	11. Trade Secret			Check "Yes" to declare this chemical a trade secret. As a state requirement, if "Yes" and the business is not subject to EPCRA, disclosure of the designated trade secret information is bound by HSC Sec. 25511. If "Yes" and the business is subject to EPCRA, the information is bound by 40 CFR and the business must submit a "Substantiation to Accompany Claims of Trade Secrecy" form (CFR 350.72) to USEPA.
12.	12. EHS (AHM)			Is this hazardous material an Extremely Hazardous Substance (EHS), as defined in section 25532 of the Health and Safety Code? NOTE: If the material is an Extremely Hazardous Substance, all amounts must be reported in pounds.
13. Fire Code Hazard Class			Uniform Fire Code hazard classes from Article 80, MSDS and other references. Used only if required by the local Fire Chief. Lists will be provided when required.	
14.	Type of Material			Check the box that appropriately describes the type of hazardous material: pure, mixture, or waste.
15.	5. Radioactive			Check if radioactive.

	INSTRUCTIONS FOR THE CHEMICAL INVENTORY DESCRIPTION PAGE FORM 3		
	DATA ELEMENT BOXES	INFORMATION DESCRIPTION	
16.	Curies	If hazardous material/waste is radioactive, use this area to report concentration in µCuries.	
17.	Physical State	Check the box that appropriately describes the state of the hazardous material: solid, liquid, or gas.	
18.	Federal Hazardous Categories	Check all categories that describe the physical and health hazards associated with the hazardous material/waste. The Environmental Protection Agency's Hazards Categories are:	

PHYSICAL HAZARDS				
Fire Flammable, Combustible liquids, Pyrophorics, Oxi				
Reactive	Unstable Reactive, Organic Peroxides, Water Reactives			
Pressure Release	Explosives, Compressed Gases			
HEALTH HAZARDS				
Acute Health (Immediate)	Highly Toxic, Toxic, Irritants, Sensitizers, Corrosives			
Chronic Health (Delayed)	Carcinogens			

	DATA ELEMENT BOXES	INFORMATION DESCRIPTION
19.	Avg. Daily Amount	For each building calculate the average daily amount on hand of the hazardous material/waste or mixture containing hazardous materials.
20.	Max. Daily Amount	For each building provide the maximum daily amounts on hand of the hazardous material/waste or mixture containing hazardous materials.
21.	Annual Waste Amount	If the hazardous material being inventoried is a waste, provide an estimate of the annual amount handled.
22.	State Waste Code	If the hazardous material is a waste, enter the appropriate California 3-digit hazardous waste code as listed on the back of the Uniform Hazardous Waste Manifest.
23.	Units of Measure	Check the unit of measure that is most appropriate for the material being inventoried: gallons, pounds, cubic feet or tons. NOTE: If material is an Extremely Hazardous Substance (EHS), all amounts must be reported in pounds.

	DATA ELEMENT BOXES	INFORMATION DESCRIPTION
24.	Days on-site	List the total number of days during the year that the material is on site (i.e., "365 days").
25,	Largest Container	List largest vessel (i.e., 55 gallon drum, 12000 gallon tank)
26.	Storage Container	Check the boxes that best describe the type of storage containers in which the hazardous material is stored. NOTE: If appropriate, you may choose more than one.
27.	Storage Pressure	Check the box that best describes the pressure at which the hazardous material is stored.
28	Storage Temperature	Check the box that best describes the pressure at which the hazardous material is stored.
29.	Percent (%) Weight	Enter the percentage weight of the hazardous components in a mixture. If the MSDS describes the percentage as a range, enter the highest number in the range.
30.	Hazardous Component	List the three most hazardous ingredients (refer to MSDS or, in the case of trade secrets, refer to manufacturer). When reporting waste mixtures, mineral and chemical composition of the waste should be listed.
31.	EHS / AHM	Is the component of the mixture considered an Extremely Hazardous Substance (EHS) or Acutely Hazardous Material (AHM), as defined in Section 25532 of the Health and Safety Code.
32.	CAS Numbers	List all Chemical Abstract Service (CAS) number of the hazardous components you listed in the mixture.
33.	UNDOT#	4 digit ID number, used for shipping purposes, found in MSDS.
34.	DOT HAZARD CLASS	DOT hazard classification or division number as listed in MSDS or shipping documentation.
35.	EPCRA	If an EPCRA regulated chemical check "Yes."
36.	Signature	Signature required for all EPCRA chemicals.
37.	NFPA 704 Placard	Hazard classification using NFPA categories. Refer to Pages 15-16.
38.	Facility ID Number	Generated by GGFD. Leave this blank.

FILL OUT A COMPLETE "HAZARDOUS MATERIALS INVENTORY" FORM FOR EVERY REPORTABLE HAZARDOUS AND EXTREMELY HAZARDOUS MATERIAL HANDLED BY YOUR FACILITY. MAKE AS MANY COPIES OF THE CHEMICAL INFORMATION PAGES AS NEEDED.

GARDEN GROVE FIRE DEPARTMENT HAZARDOUS MATERIALS IDENTIFICATION PROGRAM

REQUIREMENT FOR HAZARDOUS MATERIALS IDENTIFICATION SIGNS

To meet the requirements of the newly revised Uniform Fire Code, all businesses that have more than a certain amount of hazardous materials at their business site must identify each location where hazardous materials are stored, dispensed, used, or handled. These locations must be identified with specialized signs. The information presented below will help you understand if this sign program applies to you, the purpose for these signs, and how to comply with the new regulations.

DOES MY BUSINESS HANDLE HAZARDOUS MATERIALS?

According to the California Health and Safety Code (H&SC) Section 25501(j), a "hazardous material" is "any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant hazard to human health and safety or to the environment if released." In other words, if there is any kind of hazard associated with a material, it is a "hazardous material." This includes items such as gasoline, most solvents, many cleaning products, pesticides, etc.

HOW MUCH "HAZARDOUS MATERIAL" MUST MY BUSINESS HANDLE BEFORE I AM REQUIRED TO INSTALL HAZARDOUS MATERIALS SIGNS?

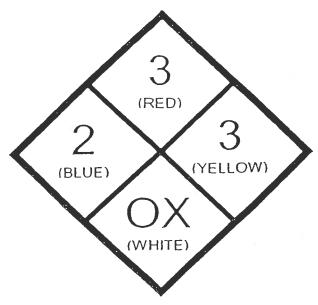
If your business handles any kind of hazardous material that requires a permit from the Fire Department, or if your business handles AT ANY ONE TIME a hazardous material equal to or greater than 55 gallons for a liquid, 500 pounds for a solid, or 200 cubic feet for a gas, then you are REQUIRED to have hazardous materials signs installed. These signs are required by Sections 80.104(e), 80.301(d), and 80.40(a) of the Uniform Fire Code (UFC).

WHAT ARE THESE SIGNS AND WHAT DO THEY TELL THE FIRE DEPARTMENT?

These signs are based on the National Fire Protection Association (NFPA) Standard No. 704, which is used throughout the united States to help identify the hazards associated with hazardous materials. The sign is diamond shaped, and divided into four sections (see illustration, right). The left quadrant is colored blue, and stands for health hazard. The top

quadrant is red in color, and represents fire hazard. The right quadrant is yellow, and shows likelihood of reactivity with other chemicals. The bottom quadrant is white, and is reserved for special hazards (i.e., oxidizer, water reactive, radioactive). A number is placed in each quadrant, ranging from 0 to 4. "O" represents no hazard, while "4" represents the words hazard.

If you have more than one hazardous material at your site, the worst hazard level for each category is listed on the sign for all your hazardous materials. For example, if you have a material that has a health rating of 1, a fire rating or 3, and a reactivity rating of 0 (1-3-0), and if you have another material with a health rating of 2, a fire rating of 2, and a reactivity rating of 3 (2-2-3), your sign would show a health rating of 2, a fire rating of 3, and a reactivity rating of 3 (2-3-3).



Through this system, Fire Fighters can tell at a glance the worst case hazard levels that can be found within the building. This can be of great assistance in an emergency!

GARDEN GROVE FIRE DEPARTMENT HAZARDOUS MATERIALS IDENTIFICATION PROGRAM

HOW DO I FIND OUT WHAT NUMBERS TO PUT ON THE SIGNS?

The NFPA has determined the ratings for over 1,400 hazardous materials commonly used in business. If you prepare a list of what hazardous materials you handle, the Fire Department will tell you what numbers you need to use. If your list is short, tell the Fire Fighters as they are inspecting your business or call the Fire Department at (714) 741-5600, and we can give you the information over the phone. If your list is long, please bring your list to the Fire Administration office at 11301 Acacia Parkway, Garden Grove, and we will be happy to assist you.

WHERE DO THE SIGNS GO?

The signs must be located at the entrance where hazardous materials are located. Entrances may be to the rear or side as well as the front of a building or structure. The number of and location of signs will be determined by Fire Department personnel inspecting your business.

WHO WILL HANG AND MAINTAIN MY SIGNS?

Each business will hang and maintain their signs in the predetermined locations, and must maintain these signs as long as they handle hazardous materials. When hanging your sign, please remember it is a diamond shaped sign. The red quadrant is the top, while the white quadrant is the bottom (please see the illustration).

QUESTIONS??????

If you have any questions regarding the Hazardous Materials Identification Program, please call the Garden Grove Fire Department at (714) 741-5636.

HAZ-MAT DISCLOSURE FROG dec 3/13/02



CUPA

BUSINESS ACTIVITIES

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	EPA ID#											
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PUCINE CE MANE (Company & ACHITY NAME OF DRA Doing Business As)												
BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As)												
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Does your lacility	1	f Yes, ple	ease (complete these pages of the UPCF								
A HAZARDOUS MATERIALS				TO THE CHINE HE CONTROLLED								
Have on sile (for any purpose) hazardous materials at or above 55	☐ YES	Пио	4	✓ HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (Form 3)								
gallons for liquids, 500 pounds for solids, or 200 cubic feet for				CHEMICAL DESCRIP HON (Family)								
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?												
B. UNDERGROUND STORAGE TANKS (USTS)	TYES	Пио	5	✓ UST FACILITY (Formerly SWRCB Form A)								
1 Own or operate underground storage tanks?		U ·		✓ UST TANK (one page per tank) (Formerly Form								
2. Intent to upgrade existing or install new USTs?	TYES	□ NO	6	✓ UST FACILITY								
Ziii maan to spy sees to sign				✓ UST TANK (one per tank)								
				J UST INSTALLATION - CERTIFICATE OF								
•				COMPLIANCE (one page per tank) (Formerly Form C)								
3 Need to report dosing a UST?	TYES	Пио	7	✓ UST TANK (closure portion-one page per tank)								
C ABOVE GROUND PETROLEUM STORAGE TANKS (ASTS)												
Own or operate ASTs above these thresholds												
- any tank capacity is greater than 660 gallons, or	YES	☐ NO	8	✓ NO FORM REQUIRED TO CUPAS								
the total aggregate capacity for the entire facility (ASTs, drums and												
portable containers) greater than 1,320 gallons?	 											
D HAZARDOUS WASTE	□ YES	□ NO	9	JEPA ID NUMBER - provide at the top of this p								
 Generate hazardous waste? Recycle more than 100 kg/month of excluded or exempted recyclable 	YES	Пио	10.	✓ RECYCLABLE MATERIALS REPORT								
materials (per HSC §25143 2)?		_		(one per recycler)								
				CONSIZE HAZARDONS MASTE								
3 Treat hazardous waste on site?	☐ YES	□ио	11,	✓ ONSITE HAZARDOUS WASTE TREATMENT - FACIUTY								
				(Formerly DTSC Forms 1772)								
				✓ ONSITE HAZARDOUS WASTE								
				TREATMENT - UNIT (one page per unit)								
				(Formerly DTSC Forms 1772A,B,C,D and L)								
	Dvcc	OND	12	✓ CERTIFICATION OF FINANCIAL								
4 Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?	YES		***	ASSURANCE (Formerly DTSC Form 1232)								
5. Consolidate hazardous waste generated at a remove site?	☐ YES	ON	13:	✓ REMOTE WASTE/CONSOLIDATION SIT								
5. Consultate hazaroods waste generated at a remove site :				ANNUAL NOTIFICATION (Formerly DTSC								
				Form 1196)								
6 Need to report the closure/removal of a tank that was classified	TYES	□ №0	14	✓ HAZARDOUS WASTE TANK CLOSURE								
waste and cleaned onsite?				CERTIFICATION (Formerly DTSC Form 1745								
E LOCAL REQUIREMENTS												
	YES	U 110	15	✓ REGULATED SUBSTANCE REPORTING								
Cal-ARP California Accidental Release Prevention Program H&SC Chapter 6 95, Article 2, §25531 et seg	10 '63	ن، ن	-	FORM (Orange County CUPA)								
Stationary Source with more than a Threshold Quantity of a Regulated												
Substance in a Process	<u> </u>											

FORM 3

OFPARIME ADD DELETE				
FACHUTY ION 3 0 0 3 EV	REVISED 1		Page	of 2
3 0 0 3 5	P.B.S.	Engineering		
CHEMICAL LOCATION	I. FACILITY INFOR	RWATION		
50.00 Biological Control of Contr				•
CONFIDENTIAL LOCATION Yes	No 5 MAP #	6	GRID # D-7	7
the state of the first state of the state of	II. CHEMICAL INFO	RMATION		
CHEMICAL NAME		WASTE Yes 8	TRADE SECRET Ye	PS (X) No 11
Waste Oit			* If EPCRA see instructions	
SAMP		9	An EHS Chemical Ye	-
	ZARD CLASSES (supplied by GGFD)		"If EHS is "Yes" all amounts must	1 be LBS
TYPE (Check one remont) 2 PURE 15 MIXTURE	WASTE 14 R	ADIOACTIVE Tyes	No 15 CURIES	15
PHYSICAL STATE a SOLID b LIQUID	C GAS 17 FEDHAZA			16 F RF1F4SF 18
(Check are then only)	CATEGOR			
AVERAGE DAILY 19 MAXIMUM DAILY		L WASTE AMOUNT	71 STATE WASTE CODE	77
UNITS FO GALLONS TO CUBIC FEET 23	DAYS ON SITE	7a LAF	IGEST CONTAINER	
C FOUNDS d TONS	0213 64 34 6	74 047	55 Gallon Don	25 ud
STORAGE CONTAINER 3 ABOVE GROUND TANK	e PLASTIC DRUM	VAT m CYLI		k WAGON 25
		=	SS CONTAINER O RAIL	
ETODACE POLECUPE	h CARBOY 1	80X(S)	ACH OR EOUD TO HO	
- AMBIENI	L P ABOVE WABIENT	C BELOW AMBI		27
%WT HAZARDOUS COMP	ONENT (For mixture or waste	C BELOW AMBI		
1 79	OTTEN TO MIXTURE OF Waste			CAS#
2 29			□ No 31	37
3 79		30 Yes	□ No 31	32
		30 Yes	□ No 31	37
	lk st	30 Yes	□ No 31	32
5 79		30 Yes	□ No 31	32
त more hazardous components are present at greater than 1% by weight i	PLACARDING INFOR		rets of paper capturing the required	Information.
	T ENGLISHED IN ON			
UNDOT # Refer to shipping papers of	33	i i	A 704 HAZARD DIAMOND (RED) 🐿	,
	N M2D2	HEALTH	REA	CTIVE
DOT HAZARD CLASS Refer to shipping pa	DOLE OF MEDS	(BLUE)	+ WEL	1000)
EPCRA TES THO	2	SPE: HAZ	ARD WHITE OX /W	37
	35			
X	Here 36		Y COPIES OF CHEMIC	
" LF CRA, Flease Sign F	70 30 30 30 A	INVENTOR	RY FORM AS NEEDED	

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FORM 3

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	AICAL LOCATION			1.	·	1										1
1	DENTIN LOCATE		50	ath -			icle	B	4 A	11	Compr	essor				
EPCF		UN		∐ Yes	,Di		MAP #					GRID #				7
						II. CH	IEMIC/	AL INFO	RMAT	ION		2131				
1 -	AICAL NAME								WASTE		Yes . E	1RADE SE	CRET	Yes	Ø No	"
COM	MON NAME	ne												nstructions		
	RACE	GA	5											Yes		12
CAS		-	10	FIRE CODE	HAZAFI	DCLASSES	(supplied	by GGFD)								13
TYPE	(C'acid one form only)	a PUF		DE MIXTU	pr	Π,	WASTE	14 F	TADIOACT	r∨E	Tes	No. 15	CUR	IE S		16
PHYS	ICAL STATE	a sot		LIQUID		7: GAS	17	FED HAZA	ARD 1	la r		D REACTIVE		PRESSURE R	F. F. C. C.	18
	one then only)	10.300		o ridoit	, f] (023		CATEGOR	DES 1	_	CUTE HEALTI		_	CHRONIC HE		
	AGE DAILY			MAXIMUM DAI	Y		20	ANNUA	L WASTE					IE CODE	A() H	77
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0	C POUN	os 🗍	d TON		23 (DATS ON S	.IIE	10			74 0	RGEST CONT	in .	1.1	7	75
STOR	AGE CONTAINER	nt must be in p		NAAT DNUO		PLASTIC D	DRUM	 	VAT			56 LINDER		O TANK W	Drum	76
(Chec	ik all that apply)			OUND TANK	=	NONMETAL		м <u>Ö</u> і	FIBER D BAG(S)	RUM	☐n GL	ASS CONTAIN		T RAIL CA	R	
			TEEL DR			CARBOY	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		BOX(S)			MACH OR E DU		S TOTE B		
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15	AGE TEMPERATUR			THEIRMA			ABOVE			_ c	BELOW AMI	BIE NT	0	CRYOGENIC		28
	%WT	H/	AZARI	pous co	MPON	ENT (F	or mixtur	e or wast	e only)			EHS		C	AS#	
1	79									30	Yes	□ No	31			32
2	29									30	Yes	□ No.	.31		i i	32
3	29									30	Yes	□ No	31			32
4	79									30	Yes	□ No	31			32
5	29									30	Yes	□ No	31			32
If more	hazardous compone	nis are present	at greate	than 1% by m	ight H noi	n-carcinoge	nkc, or 0.1%	by weight i	f carcinoge	nic, ette	_		1	the required into	ormation.	
						PLAC/	ARDIN	3 INFOF	RMATIC	N					12-3	
UNDO	OT#	110	120	2						ſ	NF	PA 704 HAZ	'ARD I	DIAMOND	Trade Carl	
		Refer	lo ship	ping pape	rs or N	ISDS		33				E (RED)	2			
DOT I	HAZARD CLA	ASS		3				34			HEALTH	•	·/	REACT		1
	e 35780		Refert	o shipping	pape	rs or MS	SDS					ECM	1	VVHITE V		
EPCR	A DYES	Muo						35		L	HA	ZARD *		OX/W	27	
	x	-									/F & C \$ 5 5 5			A		
	^	If EPO	RA, F	Please Sig	ın Her	<u>e</u>		36				NY COPII RY FORM		CHEMICA	AL.	
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FORM 3

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7	^	DD.	DELETE	REVISED	1				Page	3 .	ſ	2
	ACHUTI DI 3 0	0 3	5	38 8	USINESS NAME							3
	T-Aller St.	WHEEL		I. FAC	ILITY INFO	RMATION	1 2 4 3 4 7	OR SIN	0 × 1 1	W (2) 14	ide lije s	. A.
C	HEMICAL LOCATION				2 1					-		4
-	welding											
	ONFIDENTIAL LOCÂTIO PERA	014		No 5 M	IAP #		6	GRID #	-4.			7
						ORMATION		建		t and	SET ET	XXX.
C	HEMICAL NAME		Arton 25%	To Carbon Di	xide	WASTE []Yes 8	TRADE SEC	RET	Yes	No	11
1	COMPRES:	sed	Gases			<u> </u>		HEPCR	A see instruc	tions		
							9	An EHS Cher		Yes	X No	12
C	AS #		10 FIRE CODE	HAZARD CLASSES IS	upplied by GGFE	")		THEHS IS TYE	s", alt amoun	ts must be	LBS	13
-	YPE (Check one familianty)	Τ							r			
ļ.,	TE (Check one resmining)	a PUI	EE D MIXTUR			RADIOACTIVE		XN0 15	CURIES			16
	HYSICAL STATE And their only)	a soi	ID P LIONID	GAS	17 FED HA CATEGO	ZARD a 1	TIRE D	REACTIVE	C PRE	SSURE RE	BEASE	18
_	# PACE DAILY	<u> </u>					HEJAJH BEUDA		e CHF		LTH	
Ã	MOUNT 250	> cu,F	JIAO MUMIKAM PT	336 cm	PD ANNI	UOMA STE AMOU		71 STATE	VIASTE CO	DE		27
Ų	NITS a GALLO	-	d TONS	23 DAYS ON SITE			74 LA	RGEST CONTAI	NER			75
	'II EHS, amour	nt must be in p	ounds		alwar	5		386	cu	<u>t+</u>		
	TORAGE CONTAINER Theck all that apply)	-	BOVE GROUND TANK	PLASTIC DRE		I FIBER DRUM	m CYL	INDER SS CONTAINER		TANK W		26
		-	ANK INSIDE BLDG ITEEL DRUM	METAL CONT	AINER	I BAG(S)	O PLAS	TIC CONTAINE	r 📋 s	TOTE BIR		
57	IORAGE PRESSURE		AMBIENT		BOVE AMBIENT		BELOW AMB			OTHER_		27
51	TORAGE TEMPERATUR	Œ	AMBIENT		BOVE AMBIENT		BELOW AMB		d CRYC	OGE NIC		28
	%WT	Н	AZARDOUS CON	PONENT (For	nixture or was		T. Baran	EHS			\S#	70.6
1	79			,		30	Yes		31			37
2	29					30	 					
3	79						Yes	□ No []	31 -			32
						30	Yes	□ No :	31			37
4	79					30	☐ Yes	□ No □	31		_	32
5	29					30	Yes	_	1			37
H m		nts are present	al greater than 1% by well				ech edditional sh	eets of paper ca	owning the re	quired Into	mətion.	
				PLACAR	DING INFO	RIVIATION						
UN	IDOT#	4719	56		33			A 704 HAZA	RD DIAM	IOND		
		Refer	to shipping paper	s or MSDS			FIRE	(RED)		REACTI	VF	
DO	T HAZARD CLA		2.2		3.4		HEALTH (BLUE)	+ < >	()+	WELLO		- 1
			Refer to shipping	papers or MSD	S		SPE	CINI ARD	WHIT		37	
EP(CRA DYES	NO			35	į	- FWZ	~~~	OXA	~~		
	x					MA	KE AS MA	NY COPIE:	SOFCH	EMICA		
		If EP	CRA, Please Sign	n Here	36	mAi		RY FORM			_	

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FORM 3

OFPARTMEN						
ADD	DELETE	REVISED 1			Page 4 of	2
TACHUTY 10# 3 0 0 3	5 5	38 BUSINESS NAME	.S Engl	neering	7.%	3
		I. FACILITY INFO				
CHEMICAL LOCATION	<u> </u>					4
South-East		velding TAb	le.			
CONFIDENTIAL LOCATION EPERA	☐ Yes (Ž\n	10 5 MAP#		6 GRID F	9-4-6	7
	eranger	II. CHEMICAL INFO	DRMATION			
CHEMICAL NAME	/		WASTE Yes	8 TRADE SECI	RET Yes No	11
HREON CON	m Dressecl				A see instructions	
ARGON				AT CHS CHE	rical Yes No	17
CAS	10 FIRE CODE HAZARO	CLASSES isupplied by GGFD)	1 64.3.3	2 24 24 160 112 11021 DE 1 22	13
TYPE (Cred one remort)		D	RADIOACTIVE TY	M No. 15	CURIES	
TAY a PO		T C WASIE		- A.	L	16
PHYSICAL STATE a 50	סויס 🗌 פויטסוז פ	C GAS 17 FED HAZ	PROES	D REACTIVE	PRESSURE RELEASE	18
AVERAGE DAILY	10 1 10 10 10 10 10 10 10 10 10 10 10 10		d ACUTE	r	e CHRONIC HEALTH	-
AMOUNT 500 CILIFE	Y JIAO MUMIKAN PI	672 cu,ft.	THUOMA STEAM JA	21 STATE	WASTE CODE	77
	D CUBIC FEET 23 C	DAYS ON SITE	21			25
If EHS amount must be in	pounds	always			<u>cuifti</u>	
(Check all that apply)	UNDERGROUND TANK		=	M CYLINDER n GLASS CONTAINER	d TANK WAGON Rail CAR	76
		\simeq	The state of the s	O PLASTIC CONTAINE P IN MACH OR EQUIP	0.70	
STORAGE PRESSURE	TAMBIENT	TH JIBNA SVOBA d	C BELO	TH JIBMA WI		27
STORAGE TENPERATURE	AMBIENT	b ABOVE AMBIENT	C BELO	W AMBIENT	d CRYOGENIC	28
" %WT H	AZARDOUS COMPON	ENT (For mixture or was	te only)	EHS	CAS#	
1 79			30	res No	31 ,	32
2 29			30 🔲	res No	31 .	32
3 79		······································	30 DY	'es No	31	32
4 79			30 N	es No :	31	32
5 29			30 N	es No	31	37
If more hazardous components are presen	ਜ al greater than 1% by weight if nor	n-carcinogenic, or 0.1% by weigh		_	1	
A Property of the second		PLACARDING INFO	RMATION	. ***	1. 1	
UNDOT# UN	1006		- 15	NFPA 704 HAZ	ARD DIAMOND	
	to shipping papers or M	1SDS	l	FIRE (RED)		
DOT HAZARD CLASS	0 2	3.₄		EALTH 🖈	REACTIVE (YELLOW)	
	Refer to shipping paper		Œ	SPECIAL	VVHITE	
EPCRA DYES TINO		35		HAZARD *	OX/W 37	
		33				
X	CPA Plana Si II	36			S OF CHEMICAL	
ЛЕР	PCRA, Please Sign Her	e	INVE	NTORY FORM	AS NEEDED	

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Hazardous Material Disclosure

Business Information / Chemical Inventory / Business Emergency Plan

GARDEN GROVE FIRE DEPARTMENT 11301 Acacia parkway Garden Grove, CA 92840 Bus. (714) 741-5600 Fax (714) 741-5640 Hazardous Materials Coordinator (714) 741-5636

FIDE SPOLE
FIRE

	93		(714) 74	1-5636		1./1.	
Ad	dress: 116A	2 ANHSEL AV	T -		Date:	4/1/08	
	cupant or DBA:	1100000	21216 INC		File No	198	
Ow	ner/Manager:		enry		Phone:	714-5	34-6700
- 	0-115- 1-41-11						
<u></u>		and Safety Code, Section 6.9 the BEP packet, Hazardous e Department. HazMat Coord.		properly complete the li- rorms, and all material	Business Emergend I safety data sheets	y Plan (BMP) within fifteen	packet. You are (15) days to the
An	inspection at the	above location/occupar	ncy revealed the fo	llowing violation(s)	:		
Viol	ation(s): CA Heal	th and Safety Code Chapte	er 6.95, Article 1 and	Title 19, §2729 et se	q., California Code	of Regulation	ons (CCR)
	Failure to submit a Failure to review and Chemical inventory The Emergency Rights C 25504(b)&(c) Mitigation Print Evacuation Frint Evacuation	nus Materials Disclosure packet Business Emergency Plan. [Ind/or revise the Business Emer I is incomplete and/or requires esponse Plan is inadequate a I procedures Orocedures Procedures	et, HSC Chapter 6.95, THSC 25505(a)(1)]; CFC ergency Plan as require a update. [HSC 25509] and/or does not address needs to be updated. [er of emergency contact costs of the costs	Title 19 Div 2 Chapter 3, 8001.3.2 d [HSC 25505(b)&(c)] is the following issues a HSC 25509] t(s). [HSC 25509(a)(7)]	, CFC 8001.3.2 and shall be immed		
	☐ Change of bu						
Viola		Fire Code 2001, Articles 7	9 & 80 Title 19 Part	9 California Codo el	f Bordovi (oo)	-000 PM	
	Provide for seconda Provide spill control Provide approved ca	ary containment for hazardous for hazardous materials liquid abinet if more than 10 gallons and signs (NFPA 704, CFC Ar and	materials liquids and side (CFC 8003.1.3.2) of flammable liquids (C	olids (CFC 8003.1.3.3) FC 7902 5)	negulations (CC)	1)	
			in .				
Resp	onsible Party:			Re-inspection	Date: 4/15	108	3
The a	bove are violation:	s of California law and requ	uite immediate corre	tion. Failure to come	ect violations is su	biect to civil i	penalties.
	Dept. Inspector:	P. MACIAS		ID #:		MARINE THAT WAS	ALC: THE STATE OF
Cond	lition Upon Re-in	spection: Good To	GO		Date: 4	15/08	
F5-43	08.doc (05/06)						



F5-4308 (1/04)

Hazardous Material Disclosure

Business Information / Chemical Inventory / Business Emergency Plan

GARDEN GROVE FIRE DEPARTMENT
11301 Acacia Parkway
Garden Grove, CA 92840
Bus. (714) 741-5600 Fax (714) 741-5640
Hazardous Materials Coordinator
(714) 741-5636

re tergency Plan	ROEN GROUN
Date: 4/	27/05

Address: 11602 ANABEL	File No:									
Occupant or DBA: FBS										
Owner/Manager: BOB SWENSON	Phone: (714)534-6700									
California Health and Safety code, section 6.95, you are required to return the BEP packet, Hazardou sheets within fifteen (15) days to the Garden Grove Fire Department.	s Materials Disclosure Forms, and all material safety data									
An inspection at the above location/occupancy revealed the following violation(s):										
Violations(s): CA Health sn Safety Code Chapter 6.95, Article 1 and T	itle 19, §2729 et seq, California Code of Requlations (CCR)									
Complete Hazardous Materials Disclosure packet, HSC Chapter 6.95, Title 19 Div 2 Chapter 3, CFC 8001.3.2 Failure to submit a Business Emergency Plan. [HSC 25505(a)(1)], CFC 8001.3.2 Failure to review and/ or revise the Business Emergency Plan as required [HSC 25505(b)&(c)]										
Violations(s): California Fire Code 2001, Articles 79 & 80, Title 19 Pa	rt 9, California Code of Regulations(CCR).									
Provide for secondary containment for hazardous materials liquids and solids (CFC 8003.1.3.3) Provide spill control for hazardous materials liquids (CFC 8003.1.3.2) Provide approved cabinet if more than 10 gallons of flammable liquids (CFC 7902.5) Provide placarding and signs (NFPA 704, CFC Article 79 §7901.9, Article 80 §8001.7-8) No Violations Found										
Additional Violations and/ or Notes:										
Responsible party: FBS R	Re-inspection date: 5/11/05									
	The above are violations of California law and require immediate correction. Failure to correct violations is subject to civil									
Fire Dept. Inspector:	ID#:									
Condition upon re-inspection:	Date:									



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:	PBS ENC	Telephone: 531670
Site Address:	11602 Anabel Ave. Garden Grove, CA 92843-9709	Zip Code:
the following: A business that he business that he business that he business that he business the annual invent	lth & Safety Code, Division 20, Chapter andles hazardous materials shall review HMBEP) once every three years from a siness may comply with the annual cheent to the Garden Grove Fire Department.	6.95, Section 25505(c) and Section 25503.3(c) provide w AND certify their Hazardous Materials Business the date of acceptance by the Garden Grove Fire mical inventory reporting requirement by submitting a A business may not utilize this certification to meet mergency Planning and Community Right to Know
Note: A business both of the following		porting requirements using this certification statement if
	is previously filed an inventory reporting f tests to the following:	orm and;
• The inform Departmen	ation contained in the annual inventory f	form most recently submitted to the Garden Grove Fire hazardous material as reported in the most recently
submitted aNo hazardo	nnual inventory form.	irements is being handled that is not listed on the most
THIS IS TO CER (Please check application)		CHEMICAL INVENTORY HAS BEEN REVIEWED.
No changes are	required to the HMBEP submitted to the	Garden Grove Fire Department.
All the necess attached to this	•	to the HMBEP. The changes/revisions are
No changes are Fire Department	-	was previously on file with the Garden Grove
	ry changes/revisions have been made to this certification.	the chemical inventory. The changes/revisions
PERSONALLY EX		FY UNDER PENALTY OF LAW THAT I HAVE THE INFORMATION SUBMITTED AND AND COMPLETE.
Print Name		Signature
Ioh Title		Date 3-14-01

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

																	Page 1 of
	I. FACILITY IDENTIFICATION																
FA	CILITY ID#								П			1.	EPA ID #	(Hazard	ous W	aste	e Only) 2.
L		$\perp \perp$			$\perp \perp$			丄									
BL	JSINESS N	AME (S	Same a	as FAC	ILITY !	NAME	Εo	r DBA	lioQ-/	ng E	3usine	SS /	As)				3.
<u> </u>																	
	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)																
					facility												mplete these pages of the UPCF
<u>A.</u>	HAZARDOUS												A			Τ	
	Have on site	e (for ar	y pur	pose) l	nazardo	ous r	mat	erials	at o	r al	bove !	55	YES	MO MO	4.	1	HAZARDOUS MATERIALS INVENTORY -
	gallons for compressed	liquids,	500 p	oounds	for s	olids,	, o	r 200) cut	oic Taxe	feet f	or				l	CHEMICAL DESCRIPTION (OES 2731)
	applicable F															ı	
	substance s	pecified	in 40	CFR P	art 355	5, Ap	per	ndix A	or E	; o	r hand	lle				l	
	radiological required purs	material	s in q	uantitie B. Bost	es for	which	ha	n em	nerge	псу	plan	is					
B.	UNDERGROU						0?					\dashv				╀	
1.	Own or oper												☐ YES	TYNO	5.	1	UST FACILITY (Formerly SWRCB Form A)
ĺ	•		•										LJ	LD.			UST TANK (one page per tank) (Formerly Form B)
2.	Intent to upg	rade exi	sting c	r instal	l new l	JSTs	?						YES	NO	6,		UST FACILITY
																✓	UST TANK (one per tank)
																1	UST INSTALLATION - CERTIFICATE OF
																COMPLIANCE (one page per tank) (Formerly	
3.	Need to repo	rt closin	g a US	ST?									☐ YES	MO	7.	1	Form C) UST TANK (closure portion-one page per tank)
<u>C.</u>	ABOVE GRO	UND PE	TROL	EUM S	TORA	GE T	ΆN	KS (/	\STs)	!		╗		7		T	
	Own or opera	ate AST	s abov	e these	e thresi	holds	i :										
	- any tank ca											-	YES	⊠ NO	8.	1	NO FORM REQUIRED TO CUPAS
	- the total ac								STs,	dru	ıms ar	nd					
D.	HAZARDOUS			Ci tilali	1,320	gano	1113	-				\dashv				\vdash	
1.	Generate has		_	?									☐ YES	™ NO	9.	1	EPA ID NUMBER - provide at the top of this page
2.	Recycle more				of excl	uded	or	exem	pted	recy	yclable	,	YES	NO X	10.		RECYCLABLE MATERIALS REPORT
	materials (pe	r HSC §	25143	5.2)?													(one per recycler)
3.	Treat hazard		to on	nito?										D NO	4.4	١,	CNOTE HAZABBONIO MARCE
J.	rieat nazaru	ous was	ile on :	site !									YES	NO	11.	1	ONSITE HAZARDOUS WASTE TREATMENT - FACILITY
																	(Formerly DTSC Forms 1772)
																1	ONSITE HAZARDOUS WASTE
												-				•	TREATMENT - UNIT (one page per unit)
												-					(Formerly DTSC Forms 1772A,B,C,D and L)
4.	Treatment su	bject to	financ	ial assi	urance	requi	irer	nents	(for l	Pen	mit by		YES	ON	12.	1	CERTIFICATION OF FINANCIAL
	Rule and Cor	ndition A	uthori	zation)1	?						•			0		ľ	ASSURANCE (Formerly DTSC Form 1232)
5.	Consolidate I	hazardo	us was	ste gen	erated	at a r	rem	iove s	site?			1	YES	NO 🍱	13.	1	REMOTE WASTE/CONSOLIDATION SITE
												-				ł	ANNUAL NOTIFICATION (Formerly DTSC
	Manada											-		\searrow		١.	Form 1196)
6.	Need to repo waste and cle			emova	l of a ta	ank th	nat	was	classi	fied	i	-	YES	MO	14.	√	HAZARDOUS WASTE TANK CLOSURE
F												\perp					CERTIFICATION (Formerly DTSC Form 1249)
ten i	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

inventory certification statement									
Business Name: PBS ENGINEZRING INC	Telephone:	92343							
Site Address: 162 ANNER WE	Zip Code: _	92343							
The California Health & Safety Code, Division 20, Chapter 6.95, Section 2 the following: A business that handles hazardous materials shall review AND certifications that handles hazardous materials shall review AND certifications. A business may comply with the annual chemical inventory certification statement to the Garden Grove Fire Department. A business must be annual inventory submission requirements of the Emergency Plant Act (Section 11022, Title 42, United States Code).	25505(c) and Set y their Hazard acceptance by reporting requesty not utilize to	dous Materials Business the Garden Grove Fire airement by submitting a this certification to meet							
Note: A business may comply with the annual inventory reporting requirements both of the following apply:	nents using this	s certification statement if							
 The business has previously filed an inventory reporting form and; 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 IN (Please check applicable boxes):	IVENTORY H	AS BEEN REVIEWED.							
No changes are required to the HMBEP submitted to the Garden Grove F	Fire Departmen	t.							
All the necessary changes/revisions have been made to the HMBE attached to this certification.	P. The chan	ges/revisions are							
No changes are required to the chemical inventory that was previously Fire Department.	on file with t	he Garden Grove							
All the necessary changes/revisions have been made to the chemical in are attached to this certification.	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 P PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORM BELIEVE THE INFORMATION IS TRUE, ACCURATE, AND COMPLETED Print Name Signature	ATION SUBM TE.	LAW THAT I HAVE ITTED AND							
	6-06								

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.

NO NO	7	7	7	7
YES	 Are there any underground storage containers located on the business property? 	2. Is trade secret protection requested for any of the information included in this disclosure?	3. Are there school(s), hospital(s), extended day care or long term health facilities within 1000 feet (straight line distance) of business property?	4. Are extremely Hazardous Materials or Acutely Hazardous Materials being handled on business property (State and Federal reporting)?

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: Robert L. Swenson

Print Name of Document Preparer: Clark F. Adams

Signature of Owner/Operator: ______Date:__

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



CITY OF GARDEN GROVE, CALIFORNIA MAILING ADDRESS: P.O. BOX 3070, GARDEN GROVE, CALIFORNIA 92642

BUSINESS EMERGENCY PLAN

Office Use Only

MLJ# 15856 Short Long —

HAZARDOUS MATERIALS DISCLOSURE FORM

92643 СĄ Grove, Garden 11602 Anabel,

PBS ENGINEERING, INC.

BUSINESS NAME:

ADDRESS:

MLI #

(office use only)

THIS FORM TO BE TYPEWRITTEN.

1/27/94 PAGE # DATE:

HAZARD CLASS Table ന ന 10 ϵ 17 \sim ന DOT/ UN/NA NUMBER STATE WASTE NUMBER (3 DIGIT CODE) cylinder near S.E. door cylinder in welding area cylinder in welding area cylinder near S.E. door pail under work bench in parts Y-Quadrant, In 55-gal metal drums outside S.W. rear door. ij parts washers near S.W. (with pump) W-Quadrant, In bulk oil dispenser LOCATION
MOTE BY QUDRANT AND DESCRIBE AREA) parts storage area entrance. W-Quadrant, In 5-gal pail storage area entrance Y-Quadrant, In 5-gal In steel In steel Z-Quadrant, In steel W-Quadrant, In steel Y-Quadrant, In Overhead door. on south wall 6 Z-Quadrant, 7. W-Quadrant, N സ 2 STORAGE CODE Table 3-1 3-1 17 금 1-1 1.1 二 CONTAINER TYPE Table Ь b D 闰 ¥ \mathbb{H} 365 365 365 DAYS ON SITE 365 365 365 365 AVG. DAILY AMOUNT Table 00 00 8 00 00 00 G MAX. DAILY AMOUNT Table 0 8 8 G 8 8 01 13ga1 Physical State 50ga. 50gai G 125G 75GF L 5gal Table 2 ഥ SARA Hezard Class Table 1.5 1.5 1-4 Ŋ 65-0, 56-9, 64642-54-7, 55-8 64742-57-0,62-7. Same as engine 64742-94-5 872-50-4 7732-18-5 CAS NO. 000 074 862 8032-32-4 N/A 4 8 done (MMP) (top 3 as per % weight on MSDS) ing oil ing oil HAZARDOUS SUBSTANCES Mineral Spirits Dye Anti-Static Agent Immersion Cleaner & Cold N-Wethyl-2-Pyrroli Parts Cleaner 699 (Safety-Kleen) Water Same as items 3 ar Petroleum lubricat Petroleum lubricat Aromatic 150 Base stock Base stock Acetylene Oxyger SAFETY-KLEEN 105 Solvent MS #6617 Gear Lube 201-80-90 Dimonyl Engine Oil. TRADE NAME Acetylene (gas) Waste Oil 2

15

In steel cylinder near S.E. door In steel cylinder in welding area

Z-Quadrant, W-Quadrant,

91

3-1

×

365

10

07

Ü

2-4

1

cylinder near S.E. door cylinder in welding area

in steel In steel

6 Z-Quadrant, 7 W-Quadrant,

3-1

×

365

02

02

3300

2-4

Argon

7 Oxygen

Argon

C02

Carbon Dioxide

10

12

13

¥

15

						Comment of the commen
14.						
	The second of the second		A STATE OF THE STA			
15.						
Table#1 SARA Hazard Physical Health 1-Fire 4-Immediate 2-Sudden Release (Acute) of Pressure 5-Delayed 3-Reactivity (Chronic)	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 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 B- Bag(s) C- Box(s) C- Box(s) C- Box(s) C- Box(s) C- Plast C- Box(s) C- Plast C- Box(s) C- Plast C- Drum(s) or Barrel(s) C- Fixed Pressurized Cylinders N- Silo G- Glass Containers C- Tank H- In Machinery or Equip. C- Othe	I- Insulated Tank(Cryogenics) J- Metal Containers K- Movable Pressurized Cylinders L- Plastic Containers M- Rail Car R N- Silo O- Tank inside building P- Underground Tank Q- Other	Table#5 Storage Code Pressure 1- Ambient 2- Less than ambient 3- Greater than ambient 3- Greater than ambient 4-Cryogenic 7- Ambient = room pressure or temperature	Table#6 Hazard Class (see MSDS sheets for info) 1- Blasting Agent 9- Explosive C 1- Blasting Agent 9- Explosive C 2- Carcinogen 10- Flammable Compressed Gas 18- Pesticide 3- Combustible 11- Flammable Compressed Gas 18- Pesticide 1- Flammable Compressed Gas 18- Pesticide 1- Flammable Liquid 19- Poison A 12- Flammable Compressed Poisonous Gas) 3- Grapenic 13- Hypergolic 20- Poison B (Solid/Liquid) 3- Gryogenic 5- Cryogenics 14- Irritant 6- Etiologic Agents 15- Non Flammable Combustible 7- Explosive B 16- Organic Peroxide

J. B. 18 -1

SECTION 3 - REACTIVITY DATA

UNUSUAL HAZARDS:

NAIF

SECTION 4 - SPILL AND DISPOSAL HANDLING

SPILL: USE INERT ABSORBANT MATERIAL TO CONFINE SPILLS AND TO ABSORB

MATERIAL. SCOOP INTO A DISPOSABLE CONTAINER.

DISPOSAL: LAND FILL OR INCINERATE AS FEDERAL, STATE, AND LOCAL

REGULATIONS PERMIT.

SECTION 5 - HAZARDOUS INGREDIENTS

OMPONENT	CAS#	8	CARCINOGEN
PETROLEUM LUBRICATING OIL PASE STOCK	64742-57-0 64742-62-7 64742-54-7 64742-65-0 64742-55-8 64742-56-9 64741-88-4	100	NO .
OIL MIST ACGIH 5MG/M3 T 10MG/M3 S OSHA 5MG/M3 F	TEL, 15 MINUTES		

SECTION 6 - HEALIH HAZARD DATA

INHALATION: VAPOR INHALATION UNDER AMBIENT CONDITION IS NORMALLY NOT A

PROBLEM.

EYE CONTACT: IRRITATION MAY OCCUR.

SKIN CONTACT: PROLONGED AND REPEATED CONTACT HAS PRODUCED MILD IRRITATION

AND INFLAMMATION.

INGESTION: LOW ORDER OF ACUIE ORAL TOXICITY, BUT MINUTE AMOUNTS

ASPIRATED INTO THE LUNGS DURING INGESTION MAY CAUSE MILD TO

SEVERE PULMONARY INJURY AND POSSIBLY DEATH.

SUMMARY OF ACUTE HAZARD: NOT EXPECTED TO PRESENT A SIGNIFICANT HEALTH

HAZARD UPON SHORT TERM EXPOSURE.

SUMMARY OF CHRONIC HAZARDS: PROLONGED AND/OR REPEATED CONTACT WITH THIS

MATERIAL MAY PRODUCE MILD SKIN IRRITATION AND

INFLAMMATION.

SPECIAL HEALTH EFFECTS: PERSONNEL WITH PRE-EXISTING SKIN DISORDERS SHOULD

AVOID CONTACT WITH THIS PRODUCT.

SECTION 7 - FIRST AID PROCEDURE

INHALATION: REMOVE TO FRESH AIR; IF BREATHING DIFFICULTIES PERSIST,

OBTAIN MEDICAL ATTENTION.

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES, IF PAIN OR REDNESS PERSIST,

OBTAIN MEDICAL ATTENTION.

SKIN CONTACT: WASH WITH SOAP AND WATER AFTER WIPING OFF EXCESS MATERIAL.

INGESTION: DO NOT INDUCE VOMITING, CALL A PHYSICIAN IMMEDIATELY.

OTHER: NAIF

SECTION 8 - CONTROL MEASURES

INHALATION: ADEQUATE VENTILATION OR NIOSH/MSHA APPROVED RESPIRATORS

U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

Form Approved OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

Shipbuilding,	and SI	hipbreakin	g (29 CFR 1915, 1916, 1917)	19	
2		SECT	ION I			
MANUFACTURER'S NAME BIG THREE IN Distributor - OXYGEN SERVICE CO ADDRESS (Number, Street, City, State, and ZIP C 2445 South Street, Long Beach, CHEMICAL NAME AND SYNONYMS	MPAN	Υ	EMERGE (213-	428-6442 538-0052	E NO.	
CHEMICAL FAMILY Rare gas			TRADE NAME AND	SYNONYMS	5	
SECTION	J II -	ΗΑΖΔΕ	DOUS INGREDIENTS		OI.	325 .0
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV	ALLOYS AND METALLIC	COATINGS	%	TLV
PIGMENTS n/a	_	(Units)	BASE METAL n/a .	COATINGS		(Units)
CATALYST			ALLOYS	8	12	
VEHICLE	. 8		METALLIC COATINGS			
SOLVENTS · ·	1		FILLER METAL PLUS COATING OR CORE FLU	ıx		
ADDITIVES			OTHERS	<u> </u>		
OTHERS		2 1	(4)	10 (1)		
HAZARDOUS MIXTURE	SOF	OTHER LIC	DUIDS, SOLIDS, OR GASES		%	TLV (Units)
n/an/a		ű.	5. · · · ·	12		1011111
		12				
·	50			ii	23	8
<u> </u>		57		14		11
SE	CTIO	N III - F	HYSICAL DATA			
BOILING POINT (°F.)			SPECIFIC GRAVITY (H20=1)		7	
VAPOR PRESSURE (mm Hg.)	- -3 (02.6	PERCENT, VOLATILE		-	**
VAPOR DENSITY (AIR=1)	_	1.38	BY VOLUME (%) EVAPORATION RATE	# #		25
SOLUBILITY IN WATER			=1)		10	
APPEARANCE AND ODOR	L_M	oderate			_	
CECTION IV	FID	E AND S				
FLASH POINT (Method used)	FIR	E AND E	XPLOSION HAZARD DA			
EXTINGUISHING MEDIA			LAMMABLE CIWITS	Lel		Uel
SPECIAL FIRE FIGHTING PROCEDURES						
	n	/a		5 D		
UNUSUAL FIRE AND EXPLOSION HAZARDS		20		25 St		
Variation 10	· W_		-	300 20	51 ₂	e .
		2	9E			

U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

Form Approved OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

			9 (20 0: 1: 1515, 1510, 1517)		
1 2 2 2		SECT	ION I		
MANUFACTURER'S NAME BIG THREE IND Distributor - OXYGEN SERVICE COM ADDRESS (Number, Street, City, State, and ZIP Coc	PAN	INC. Y	EMERGENCY TELEPHON (213-428-6442)	NE NO.	
ADDRESS (Number, Street, City, State, and ZIP Coc	ic)		(714-5380052)		
2445 South Street, Long Beach	, -c	a111.9	TRADE NAME AND SYNONYMS		
CHEMICAL FAMILY OXYGE	N_			YGEN_	Е Е
OXIDIZER OXIDIZER		i i	02	S.	
SECTION	II -	HAZAF	DOUS INGREDIENTS ·		# H E
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS N/A			BASE METAL N/A		= =
CATALYST	-		ALLOYS		
VEHICLE			METALLIC COATINGS		i
SOLVENTS		- E	FILLER METAL PLUS COATING OR CORE FLUX	40	2/2/
ADDITIVES			OTHERS		
OTHERS		= 5			
HAZARDOUS MIXTURES	OF (OTHER LIC	UIDS, SOLIDS, OR GASES	%	TLV (Units)
Gas- Mixtures of Flammable o	rp	etroleu	m products		
Liquid- Mixtures of petroleu					514
1		2017			
			4 2 2 2 2 2 2 2		
, SEC.	TIO	M III - D	HYSICAL DATA		
BOILING POINT (^c F.)	7			.	
VAPOR PRESSURE (mm Hg.)	+29	7.4	SPECIFIC GRAVITY (H2O=1) Gaseous PERCENT, VOLATILE	_ 1.	3266
VAPOR DENSITY (AIR=1)	₩.	/A	BY VOLUME (%) EVAPORATION RATE	- 10	F)
gm/l	1-1	4291	(=1)	E 11	·
SOLUBILITY IN WATER	lmo	derate	· · ·		Ç#
APPEARANCE AND ODOR		121			
SECTION IV -	FIR	E AND E	XPLOSION HAZARD DATA	1.7	
FLASH POINT (Method used)			FLAMMABLE LIMITS Lei		Uel
EXTINGUISHING MEDIA		19			
SPECIAL FIRE FIGHTING PROCEDURES		88		ā	DELL
Be		= 0	· · · · · · · · · · · · · · · · · · ·	 .	
UNUSUAL FIRE AND EXPLOSION HAZARDS		- ii			
egranic and					16
11.00	,	6 2.50	80		-



I - GENERAL INFORMATION

MATERIAL SAFETY

A CANADA CALLES	Acetylene (Gas)	HONE NO.	DAII	SHEET
97	(713) 868-0202			
MANUFACTURERS NAME	TRADE NAME AND S	YNONYMS		
Big Three Industries, Inc.	Acetylene (Ethy			
deliberation and the second	CHEMICAL NAME AN	S SYKONYMS	*3	
	Acetylene		e .	
ISSUE DATE	פא מו וטעמסאק	RMULA	CHEMICAL FAMILY	CAS NUMBER
APRIL I. 1984	UN-1001	C ₂ H ₂	Alkynes	000 074 862
			8	
* * * * * * * * * * * * * * * * * * *	1007 25	8		

:	HAZARD	OUS MIXTURES OF	LIQUIDS AND GASES	80. 8	0/0	TLV
- 1 m	er e gagawii an m			•		
NONE. (NIOSH ha	s proposed a 10-hr TWA	of 2500 PPM because of	oxic trace impurities)			-115

. Ⅲ—PHYS	SICAL DATA
- 103°F (-75°C) @ 1.68 ATM (15 PSIG)	0.906 at 32°F (0°C) and 1 ATM
635 PSIG (not cylinder pressure)	PERCENT, VOLATILE BY VOLUME (6/6)
at 32°F (0°C) and 1 ATM 0.07314 lb/cu ft	N/A
1.7SCC/100CC H ₂ O at 32°F (C°C)	MATERIAL AT NORMAL CONDITION LIQUID SOL.D XX GAS
N/A (Gas) APPEARANCE AND ODOR	Autoignition Temperature 635F (335C)
Colorless gas with a distinctive garlic-like odor	Autoignition Temperature 635°F (335°C) (Varies depending on Acetylene Percentage, Pressure, Temperature and Water Content)

FLASH POINT (METHOD USED)	LOSION HA	ZARD DA	TA	VOL)
N/A CLOSED CUP OPEN CUP	LOWER	2.5	UPPER	80
Dry chemical, carbon dioxide, and water.		•		
SPECIAL FIRE FIGHTING PROCEDURES			·	
Shut off source of acetylene if possible. Use water spray to cool flame is present, let it burn provided personnel or building structinues to escape, an explosive re-ignition could occur. Follow instruction Fire Situations. UNUSUAL FIRE AND EXPLOSION HAZARD				

MATERIAL SAFETY DATA SHEET SAFETY-KLEEN CORP. 777 Big Timber Rd. Elgin, IL 60123



Safety-Kleen 105 Solve	end List)		Note: Blank space	es are not permiπe	d. If any item is not pace must be marke	applicable, or n
Section I	110 #0017	<u> </u>	Information	is available, the sp	ace must be marke	a to indicate the
Manufacturer's Name			Emorgonau Tolon	hana Musebas		
Safety-Kleen Corporati			Emergency Telep 312/697-8460	none Number		
Address (Number, Street, City, 777 Big Timber Road	State, and ZIP Code)		Telephone Numb	er for Information	· · · · · · · · · · · · · · · · · · ·	
Flair Illinois 60122			Date Prepared 0			
Elgin, Illinois 60123					, 10/06/88, 10/2	20/88
			Signature of Prep	arer (optional)		
Section II—Hazardous Ing	redients/Identity In	formation				
Hazardous Components (Spec	ific Chemical Identity; (Common Name(s))	OSHA PEL	ACGIH ŤLV	Other Limits Recommended	% (option
Mineral Spirits	CAS No. 8032-3	32-4	500 ppm	100 ppm	N/A .	99.9+
Dye	N/A		Unknown	Unknown	unk.	0.003
Anti-Static Agent	N/A		Unknown	Unknown	100 est.	1 ppm
Section III—Physical/Chen	nical Characteristics					
Section III—Physical/Chen	nical Characteristics	3				
oiling Point (°F)	nical Characteristics	S 310-400	Specific Gravity (F	H ₂ O = 1)		0.775-
oiling Point (°F) (apor Pressure (mm Hg.)	·	310-400	Specific Gravity (F	120 == 1)		0.795
oiling Point (°F) 'apor Pressure (mm Hg.) @ 68°F (20°C)	·	1	Melting Point	H ₂ O = 1)		
(°F) (apor Pressure (mm Hg.) (a 68°F (20°0) (apor Density (AIR = 1)	·	310-400	Melting Point		= 1)	0.795 N/A
(°F) (apor Pressure (mm Hg.) (apor Density (AIR = 1) (olubility in Water	·	310-400	Melting Point Evaporation Rate	H ₂ O = 1) (Toluene =	= 1)	0.795 N/A 0.2
(°F) (apor Pressure (mm Hg.) (apor Density (AIR = 1) colubility in Water Negligible.	·	310-400	Melting Point		= 1)	0.795 N/A
(°F) 'apor Pressure (mm Hg.) @ 68°F (20°C) 'apor Density (AIR = 1) 'olubility in Water Negligible. ppearance and Odor		310-400	Melting Point Evaporation Rate VOC		= 1)	0.795 N/A 0.2
oolling Point (°F) 'apor Pressure (mm Hg.) @ 68°F (20°C) 'apor Density (AIR = 1) olubility in Water Negligible. ppearance and Odor Clear green liquid with	C) n characteristic h	310-400	Melting Point Evaporation Rate VOC		= 1)	0.795 N/A 0.2
(°F) (apor Pressure (mm Hg.) (apor Density (AIR = 1) (apor Density (A	C) n characteristic h	310-400	Melting Point Evaporation Rate VOC			0.795 N/A 0.2 795g./L
(°F) (apor Pressure (mm Hg.) (apor Density (AIR = 1) (apor Density (A	C) n characteristic h	310-400	Melting Point Evaporation Rate VOC		LEL 0.7	0.795 N/A 0.2
(°F) 'apor Pressure (mm Hg.) @ 68°F (20°C) 'apor Density (AIR = 1) 'olubility in Water Negligible. ppearance and Odor Clear green liquid with ection IV—Fire and Exploitable Point (Method Used) 105 °F TCC xtinguisning Media	characteristic h	310-400 2 4.9	Melting Point Evaporation Rate VOC		LEL	0.795 N/A 0.2 795g./L
(°F) 'apor Pressure (mm Hg.) @ 68°F (20°C) 'apor Density (AIR = 1) 'olubility in Water Negligible. ppearance and Odor Clear green liquid with ection IV—Fire and Exploitant (Method Used) 105 °F TCC xtinguisning Media CO2, foam, dry chemical pecial Fire Fighting Procedure	c) n characteristic h psion Hazard Data 1, water (mist onl	310-400 2 4.9	Melting Point Evaporation Rate VOC		LEL	0.795 N/A 0.2 795g./L
(°F) 'apor Pressure (mm Hg.) @ 68°F (20°C) 'apor Density (AIR = 1) 'olubility in Water Negligible. ppearance and Odor Clear green liquid with ection IV—Fire and Exploitable Point (Method Used) 105 °F TCC xtinguisning Media CO2, foam, dry chemica:	c) n characteristic h psion Hazard Data 1, water (mist onl	310-400 2 4.9	Melting Point Evaporation Rate VOC		LEL	0.795 N/A 0.2 795g./L
(°F) 'apor Pressure (mm Hg.) @ 68°F (20°C) 'apor Density (AIR = 1) 'olubility in Water Negligible. ppearance and Odor Clear green liquid with ection IV—Fire and Exploitant (Method Used) 105 °F TCC xtinguisning Media CO2, foam, dry chemical pecial Fire Fighting Procedure	characteristic hosion Hazard Data	310-400 2 4.9	Melting Point Evaporation Rate VOC		LEL	0.795 N/A 0.2 795g./L

MATERIAL SAFETY DATA SHEET SAFETY-KLEEN CORP. 777 Big Timber Rd. Elgin, IL 60123



DENTITY (As Used on Label and List) Immersi and Cold Parts Cleaner 699	on Cleaner &	Note: Blank spaces are not perm information is available, the	e apace must be marked	d to indicate tha
ection Ref. 195-80C				
lanufacturer's Name		Emergency Telephone Number (708) 697-8460		
Safety-Kleen Corporation ddrass (Number, Street, City, State, and ZIP Cod	(a)	Telephone Number for Informati	ion	
777 Big Timber Road		(708) 697-8460		3 5 7
Elgin, Illinois 60123		Date Prepared - 10/5/89		
,		Signature of Preparer (optional)		
ection II—Hazardous Ingredients/Identity	Information			
lazardous Components (Specific Chemical Identi	ty; Common Name(s))	OSHA PEL ACGIH TU	Other Limits V Recommended	% (options
Aromatic 150	CAS No. 64742-9	4-5 not determined	100 ppm for	8 hrs.
N-Methyl-2-Pyrrolidone (NMP)	CAS No. 872-50-	4 100 ppm 100 ppm	1	
iater	CAS No. 7732-18	-5		
Dipropylene Glycol Methyl Ether (DPM)	CAS No. 34590-9			
Monoethanolamine (MEA)	CAS No. 141-43-	3 ppm 3 ppm 5 (skin) (skin)	- 12 X	
Dieic Acid	CAS No. 112-80-			
JEIC ACIU				
JEIC ACIU				
Section (III—Physical/Chemical Characteri	stics			
	stics 210-439	I Specific Gravity (HeO = 1)	75°F	0.950
Section III—Physical/Chemical Characteri	210-439	I Specific Gravity (HeO = 1)		0.950 10°F
Section III—Physical/Chemical Characteric	Ε.	Specific Gravity (H ₂ O = 1)		
Section III—Physical/Chemical Characteric Boiling Point Vapor Pressure (mm. Hg.) Vapor Density (AIR = 1)	210-439 water	Specific Gravity (H ₂ O = 1) Melting Point Evaporation Rate		10°F
Section III—Physical/Chemical Characteric Boiling Point /apor Pressure (mm Hg.) /apor Density (AIR = 1) Solubility in Water Complete Appearance and Odor	210-439 water water	Specific Gravity (H ₂ O = 1) Melting Point Evaporation Rate		10°F
Section III—Physical/Chemical Characteric Boiling Point /apor Pressure (mm Hg.) /apor Density (AIR = 1) Solubility in Water Complete	210-439 water water	Specific Gravity (H ₂ O = 1) Melting Point Evaporation Rate		10°F
Section III—Physical/Chemical Characteric Soiling Point Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Complete Appearance and Odor Clear, Reddish brown liquid, Mild hyd	210-439 water water	Specific Gravity (H ₂ O = 1) Melting Point Evaporation Rate		10°F
Section III—Physical/Chemical Characteric Soiling Point /apor Pressure (mm Hg.) /apor Density (AIR = 1) Solubility in Water Complete Appearance and Odor Clear, Reddish brown liquid, Mild hyd Section IV—Fire and Explosion Hazard Da Flash Point (Method Used)	vater vater vater	Specific Gravity (H ₂ O = 1) @ Melting Point Evaporation Rate (Butyl Acetate = 1) Flammable Limits	75°F	10°F water
Section III—Physical/Chemical Characteric Soiling Point /apor Pressure (mm Hg.) /apor Density (AIR = 1) Solubility in Water Complete Appearance and Odor Clear, Reddish brown liquid, Mild hyd Section IV—Fire and Explosion Hazard Da Flash Point (Method Used) TCC 151° Extinguishing Media	vater vater vater rocarbon odor.	Specific Gravity (H ₂ O = 1) @ Melting Point Evaporation Rate (Butyl Acetate = 1) Flammable Limits	75°F	10°F water UEL 7.0%
Section III—Physical/Chemical Characteria Soiling Point /apor Pressure (mm Hg.) /apor Density (AIR = 1) Solubility in Water Complete Appearance and Odor Clear, Reddish brown liquid, Mild hyd Section IV—Fire and Explosion Hazard Di Flash Point (Method Used) TCC 151° Extinguishing Media Dry chemical, CO ₂ , standard foam, wat	vater vater vater cer spray, water for the spray water for the	Specific Gravity (H ₂ O = 1) @ Melting Point Evaporation Rate (Butyl Acetate = 1) Flammable Limits og. contained breathing appara	75°F	10°F water

534 N. Main

Fort Worth, Texas 76106

MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME:

DIMONYL ENGINE OIL 306-15-40

REVISION DATE:

09/05/89

EMERGENCY PHONE NUMBER: (817)332-2336 CHEMIREC: 1-800-424-9300

CHEMICAL FAMILY: PETROLEUM HYDROCARBON BASED LUBRICANT

SECTION 1 - FIRE AND EXPLOSION HAZARDS

NFPA CODE - Health: 1 Fire: 1 Reactivity: 0 Other: NAIF

PAGE 1

FLASH POINT, 'C: >179 METHOD: C.O.C. AUTO IGNITION TEMP., 'C: >260

FLAMMABLE LIMITS, % VOLUME - LOWER: 0.9 UPPER: 7

EXTINGUISHING MEDIA: USE WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON

DIOXIDE.

SPECIAL FIREFIGHTING PROCEDURES: USE WATER TO KEEP FIRE-EXPOSED CONTAINER

COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES. USE SELF -

CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE & EXPLOSION HAZARDS: WATER OR FOAM MAY CAUSE FROTHING. H2S

MAY BE PRODUCED ABOVE 121'C

SECTION 2 - PHYSICAL DATA

BOILING POINT:

>293'C MELTING POINT:

NA

SPECIFIC GRAVITY, (WATER = 1): 0.9

PH:

NA

WATER SOLUBILITY:

NO

VAPOR DENSITY, (AIR = 1): NONE

PERCENT VOLATILE BY VOLUME: NONE

PRIMARY VOLATILES:

NONE

ODOR:

LUBE OIL ODOR

APPEARANCE:

PURPLE

SECTION 3 - REACTIVITY DATA

STABILITY:

STABLE BELOW 121' C

POLYMERIZATION:

DOES NOT OCCUR

INCOMPATIBILITY:

STRONG OXIDANTS (AS RELATED TO GENERAL ORGANIC

MATERIALS)

SECTION 3 - REACTIVITY DATA

CONDITIONS TO BE AVOIDED: HEAT AND IGNITION SOURCES

UNUSUAL HAZARDS:

H2S MAY BE PRODUCED ABOVE 121' C

SECTION 4 - SPILL AND DISPOSAL HANDLING

SPILL: USE INERT ABSORBANT MATERIAL TO CONFINE SPILLS AND TO ABSORB MATERIAL. SCOOP INTO A DISPOSABLE CONTAINER.

DISPOSAL: LAND FILL OR INCINERATE AS FEDERAL, STATE, AND LOCAL

REGULATIONS PERMIT.

SECTION 5 - HAZARDOUS INGREDIENTS

CARCINOGEN CAS# COMPONENT

PETROLEUM LUBRICATING OIL

64742-57-0,64742-62-7

BASE STOCK

64642-54-7,64742-65-0

NO

64742-55-8,64742-56-9

64741-88-4

OIL MIST ACGIH 5MG/M3 TLV, 8 HOURS

10MG/M3 STEL, 15 MINUTES

OSHA 5MG/M3 TWA, 8 HOURS

ZINC DIALKYLDITHIOPHOSPHATE 68649-42-3

>94

NO

(ZDDP)

THIS CEHMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF SARA AND 40 CFR PART 372 AS A ZINC COMPOUND.

NO OSHA OR ACGIH LIMITS HAVE BEEN ESTABLISHED

CALCIUM PHENATE IN SEVERLEY 64742-54-7 HYDROTREATED BASE OIL

<2

AS CALCIUM PHENATE NO

NO OSHA OR ACGIH LIMITS HAVE BEEN ESTABLISHED

NOTE: REPEATED SKIN CONTACT WITH ZDDP AND CALCIUM PHENATE HAVE PRODUCED ADVERSE TESTICULAR EFFECT IN RABBITS. HOWEVER, RECENT STUDIES INDICATE THAT THIS IS A STRESS REACTION ONLY. SIMILAR TESTS IN RATS INDICATE NO TESTICULAR EFFECTS. FURTHERMORE, RATS ARE NOW RECOGNIZED AS MORE APPROPRIATE FOR THIS TYPE OF TESTING THAN RABBITS. WE BELIEVE THAT ZDDP AN AND CALCIUM PHENATE, AS USED IN OUR PRODUCTS, PROVIDE NO HAZARD OTHER THAN THE USUAL POSSIBLE SKIN IRRITATION COMMON TO LUBRICANTS.

SECTION 5 - HAZARDOUS INGREDIENTS

COMPONENT

CAS#

왕

CARCINOGEN

SECTION 6 - HEALTH HAZARD DATA

INHALATION:

VAPOR INHALATION UNDER AMBIENT CONDITION IS NORMALLY NOT A

PROBLEM.

EYE CONTACT:

IRRITATION MAY OCCUR.

SKIN CONTACT: PROLONGED AND REPEATED CONTACT HAS PRODUCED MILD

IRRITATION AND INFLAMMATION.

INGESTION:

LOW ORDER OF ACUTE ORAL TOXICITY, BUT MINUTE AMOUNTS

ASPIRATED INTO THE LUNGS DURING INGESTION MAY CAUSE MILD

TO SEVERE PULMONARY INJURY AND POSSIBLY DEATH.

SUMMARY OF ACUTE HAZARD:

NOT EXPECTED TO PRESENT A SIGNIFICANT HEALTH

HAZARD UPON SHORT TERM EXPOSURE.

SUMMARY OF CHRONIC HAZARDS: PROLONGED AND/OR REPEATED CONTACT WITH THIS

MATERIAL MAY PRODUCE MILD SKIN IRRITATION AND

INFLAMMATION.

SPECIAL HEALTH EFFECTS:

PERSONNEL WITH PRE-EXISITING SKIN DISORDERS SHOULD

AVOID CONTACT WITH THIS PRODUCT.

SECTION 7 - FIRST AID PROCEDURE

INHALATION:

REMOVE TO FRESH AIR; IF BREATHING DIFFICULTIES PERSIST,

OBTAIN MEDICAL ATTENTION.

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES, IF PAIN OR REDNESS PERSIST,

OBTAIN MEDICAL ATTENTION.

SKIN CONTACT: WASH WITH SOAP AND WATER AFTER WIPING OFF EXCESS MATERIAL.

INGESTION:

DO NOT INDUCE VOMITING, CALL A PHYSICIAN IMMEDIATELY.

OTHER:

NAIF

SECTION 8 - CONTROL MEASURES

INHALATION: ADEQUATE VENTILATION OR NIOSH/MSHA APPROVED RESPIRATORS TO

MEET EXPOSURE LIMITS.

EYE:

GOGGLES OR FACE SHIELD.

SKIN:

GLOVES AND PROTECTIVE CLOTHING.

OTHER:

NAIF

SECTION 9 - SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS: NAIF

ABBREVIATIONS:

NA = Not applicable

NAIF = No applicable information found

NDA = No data available

The data and recommendations presented herein are based on the information provided to us by the ingredient supplier and believed to be accurate. We don't assume any responsibility for the use of this material. The buyer assumes all risk and liability. He accepts and uses this material based on these conditions.

tabdity	las and an extension		word				
Stability Unstable Conditions to Heat, spark			Avoid ks, open flame, strong oxidizing conditions.				
	Stable	x					
	(Materials to Avoid)						
	izing agents,		1 2				
Incomplete	combustion gen	erates carbon monoxi	de, oxides of nitrogen and o	her toxic vapors.			
azardous olymerization	10 M 10 M	Conditions to A	lvaid .				
	Will Not Occu						
ection VI H	lealth Hazard D	nta W. S. W. S.		The state of the s			
oute(s) of Entr	y: in	halation? Yes.	Skin? Yes.	Ingestion?			
eaith Hazards Eyes: "Irrit	(Acute and Chroni	c)clouding. Ski	n: Causes redness, irritatio	n and defatting. Ingested or			
72.4	C 60 D/2 T/0		stric upset and vomiting may				
21 1818	iba, la sas	<u> </u>	e s carrier l				
arcinogenicity:	N N	TP?	IARC Monographs?	OSHA Regulated?			
•							
ions and Symi	ptoms of Exposure		•				
Irritation	of eyes and s	kin, headache, nausea	1.				
ledical Conditi		Skin contact may a	aggravate an existing dermati	tis.			
ienerally Aggra	evated by Exposure	Skill contact may c	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
1 2 5			1 8				
mergency and	First Aid Procedu	res er 15 minutes - Skin:	: Wash with water. Ingestic	n: DO NOT INDUCE VOMITING. Dilut			
		11V of Magnocia S Kor		Clair.			
			ep warm. quite. Call a physi				
Section VII-	Precautions for	Sate Handling and Use	((*)				
Section VII—	Precautions for	Safe Handling and Use	30)	, absorb and place in suitable			
Section VII— Steps to Be Ta Kill all i	Precautions for	Safe Handling and Use	30)				
Section VII— Steps to Be Ta Kill all i	Precautions for ken in Case Mater gnition source	Safe Handling and Use	30)				
Section VII— Steps to Be Ta Kill all i container	Precautions for ken in Case Mater gnition source for disposal.	Safe Handling and Use at is Released or Spilled s. Prevent flow to :	sewer/public waters. Contain	, absorb and place in suitable			
Section VII— Steps to Be Ta Kill all i container	Precautions for ken in Case Mater gnition source for disposal.	Safe Handling and Use at is Released or Spilled s. Prevent flow to :	30)	, absorb and place in suitable			
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Section VII— Steps to Be Ta Kill all i container Waste Dispose Dispose of	Precautions for ken in Case Mater gnition source for disposal. I Method in accordance	Safe Handling and Use all is Released or Spilled s. Prevent flow to : with company, local	sewer/public waters. Contain , state and federal regulation	, absorb and place in suitable			
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Section VII— Steps to Be Ta Kill all i container Waste Disposa Dispose of Precautions to Keep away	Precautions for ken in Case Mater gnition source for disposal. I Method in accordance Be Taken in Hand from heat, spa	Safe Handling and Use all is Released or Spilled s. Prevent flow to : with company, local ling and Storing arks and open flame.	sewer/public waters. Contain , state and federal regulation.	ons.			
Section VII— Steps to Be Ta Kill all i container Waste Dispose Dispose of Precautions to Keep away	Precautions for ken in Case Mater gnition source for disposal. I Method in accordance Be Taken in Hand from heat, spa	Safe Handling and Use all is Released or Spilled s. Prevent flow to : with company, local ling and Storing arks and open flame.	sewer/public waters. Contain , state and federal regulation.	, absorb and place in suitable			
Section VII— Steps to Be Ta Kill all i container Waste Dispose Dispose of Precautions to Keep away	Precautions for ken in Case Mater gnition source for disposal. I Method in accordance Be Taken in Hand from heat, spa	Safe Handling and Use all is Released or Spilled s. Prevent flow to : with company, local ling and Storing arks and open flame.	sewer/public waters. Contain , state and federal regulation.	ons.			
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Section VII— Steps to Be Ta Kill all i container Waste Dispose Dispose of Precautions to Keep away Other Precauti If cleaner	Precautions for ken in Case Mater gnition source for disposal. I Method in accordance Be Taken in Hand from heat, spanns contacts clot	Safe Handling and Use all is Released or Spilled s. Prevent flow to: with company, local ling and Storing arks and open flame.	sewer/public waters. Contain , state and federal regulation. Use adequate ventilation.	ns. woid contact with skin and eyes.			
Section VII— Steps to Be Ta Kill all i container Waste Disposa Dispose of Precautions to Keep away Other Precauti If cleaner Section VIII— Respiratory Pro Self—container	Precautions for ken in Case Mater gnition source for disposal. I Method in accordance Be Taken in Hand from heat, spanns contacts clot	Safe Handling and Use all is Released or Spilled s. Prevent flow to : with company, local ling and Storing rks and open flame. thing, change clothes these	sewer/public waters. Contain , state and federal regulation. Use adequate ventilation. or wash off excess immediate strations above TLV limits.	ns. Avoid contact with skin and eyes. Ply to avoid possible skin irritati			
Section VII— Steps to Be Ta Kill all i container Waste Disposa Dispose of Precautions to Keep away Other Precauti If cleaner Section VIII— Respiratory Pro Self—container	Precautions for ken in Case Mater gnition source for disposal. I Method in accordance Be Taken in Hand from heat, spans contacts clot - Control Measure total (Specify Tained breathing Local Exhaus	Safe Handling and Use all is Released or Spilled s. Prevent flow to with company, local ling and Storing rks and open flame. ching, change clothes res pe) g appartus for concens Yes.	sewer/public waters. Contain , state and federal regulation. Use adequate ventilation. or wash off excess immediate	ns. Avoid contact with skin and eyes. Ply to avoid possible skin irritati			
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Section VII— Steps to Be Ta Kill all i container Waste Disposa Dispose of Precautions to Keep away Other Precauti If cleaner Section VIII— Respiratory Pro Self—conta Ventilation	Precautions for ken in Case Mater gnition source for disposal. I Method in accordance in accordance Be Taken in Hand from heat, span ons contacts clot contacts clot contacts clot contacts clot in accordance in	Safe Handling and Use all is Released or Spilled s. Prevent flow to with company, local ling and Storing rks and open flame. ching, change clothes res (pe) g appartus for concens tyes. (General)	sewer/public waters. Contain , state and federal regulation. Use adequate ventilation. or wash off excess immediate trations above TLV limits. Special None Other None	ns. Avoid contact with skin and eyes. Ply to avoid possible skin irritati			
rection VII— response to Be Ta Kill all i container Vaste Disposa Dispose of Precautions to Keep away Other Precauti If cleaner Section VIII— Respiratory Prescrive Glo Neoprene:	Precautions for ken in Case Mater gnition source for disposal. I Method in accordance Be Taken in Hand from heat, spanns contacts clot Control Measure otection (Specify Tained breathing Local Exhaus Mechanical (Safe Handling and Use all is Released or Spilled s. Prevent flow to see the second sec	sewer/public waters. Contain , state and federal regulation. Use adequate ventilation. or wash off excess immediate trations above TLV limits. Special None Other None	ns. Avoid contact with skin and eyes. Ply to avoid possible skin irritati			

Wash hands after use. Promptly remove soiled clothing -- wash thoroughly before reuse.

Do not smoke while using this solvent.

RESHOLD LIMIT re Established	FALUE	1 040	SUME CHRON	None		Inhalation
ECTS OF OVER	RUZOGX	EI				
ylene has been us of oxygen. Experience the common terms of the co	osure to ox of acetyle	kygen-delicient a ene in air is reac	tmospheres c hed before su	an cause dizzine	ess, toss	ent in concentrations high enough to deprive s of consciousness and death; however, the
HGENCY AND I	FIRST AID	PROCEDURES			,	
nate all possible victim is not bro						n and supplemental oxygen should be give g apparatus.
						1
	·			CTIVITY DA	ATA	
BILITY		n III 8	CONDITION	S TO AVOID		# 80
UNSTABLE		STABLE	below 15 PSI	cetylene at pres or in acetone s	ssures i	in excess of 15 PSIG (30 PSIA). It is stable in its cylinder.
ONPATABILITY			4 8	i i i i i i i i i i i i i i i i i i i	lo .	10 ²
eact exclosively	when ianit	ted with oxygen.	chlorine or fl	ourine.		ds could act as an ignition source. Acetylen
de violently (ie.	decompos	e into carbon or	cetylene und	er pressure can given a source	even ir	n the absence of air or oxygen, be made t
ARDOUS POLY	MERIZAT	ION		S TO AVOID	or igniti	ion.
al - [* .	TVV 1	*	[#	
MAY OCCUR	XX W	ILL NOT OCCUP				
		· 7/II	SPILL OF	R LEAK PRO	CEDI	IRFS
EPS TO BE TAR	EN IN CA					* 50
120						
uate immediate a etylene if possib						n explosion-proof ventilation. Shut off sourc
STE DISPOSAL						and the second s
actical, move cylesphere and con-			away from an	y source of ignit	ion. All	low the cylinder to discharge slowly into the
	54	- 40		101 W 2		
* ·		VIII - SF	ECIAL PR	OTECTIVE	INFO	RMATION
Talenta I	OTECTION	SPECIFY TY	PE)		+	
		3.0				
е .	11000	FYHAUST			1 ::	GECTAL
TILATION			cient to keep	area below 210	6 B	N/A
atication ral or		concentration	cient to keep	area below 210/		
e NTILATION ural or hanical where	acetylene	concentration	cient to keep	area below 219		√/A
e NTILATION Iral or hanical where is present OTECTIVE GLO	M ECHA Explosion	concentration	cient to keep	EYE PROTEC	0	√/A
e NTILATION Iral or hanical where is present DTECTIVE GLO	Explosion	e concentration	cient to keep		0	√/A
e NTILATION Iral or Chanical where is present OTECTIVE GLO HER PROTECTI	Explosion	e concentration	cient to keep	EYE PROTEC	0	√/A
SPIRATORY PR BE NTILATION ural or chanical where is present OTECTIVE GLO HER PROTECTI	Explosion	e concentration	cient to keep	EYE PROTEC	0	√/A
ural or chanical where is present	Explosion	e concentration	cient to keep	EYE PROTEC	0	√/A

tore in a cool, well-ventilated place away from open flames and other ignition sources. Do not store within 20 feet of oxygen or ther oxidizers. Store cylinders in an upright position. Follow general safety procedures for handling compressed gas cylinders found 1 CGA Pamphlet P-1.

DOT LABELING Red Label

VALVE CONNECTION NUMBER CGA-510

THER PRECAUTIONS Never use copper piping for acetylene service, only steel or wrought iron pipe should be used. Do not open acetylene cylinder valves nore than 1/2 turn. Never use acetylene in excess of 15 PSIG pressure. Acetylene cylinders are heavier than other cylinders because hey are packed with a porous filler material. Leak check with soapy water, never use a flame. Refer to HFPA Pamphlet 51 "Oxygen Fuel Gas Systems For Welding and Cutting" and Pamphlet 51B "Fire Protection In Use Of Cutting and Welding Process". Secure cylinder when in use. Keep valve protection can in place when cylinder not in use.

	S	ECTION V	/ - HEA	LTH HA	AZARD D	ATA .
THRESHOLD LIMI				1 7	100	
EFFECTS OF OVE		OVDOCUM				
Can advance		•				of100% oxygen
EMERGENCY AND	FIRST AID PROCED	CO MUSCUl JRES	ar coor	indati	on and t	thepower of attention.
N/A						
	•					
	₹*	SECTION	VI - R	EACTI	VITY DAT	ГА
STABILITY	UNSTABLE		CONDITION	IS TO AV	OID.	
	STABLE	122	19	ESS		
INCOMPATABILIT	(Materials to avoid)	Oil. gr	ease or	othon	zoadilu	nombustiti.
HAZARDOUS DEC	OMPOSITION PRODU	стѕ	case of	Other	reautry	combustible substances.
HAZARDOUS	MAY OCCU	R		CONDI	TIONS TO A	VOID
POLYMERIZATION		WILL NOT OCCUR				
	170		. 6.0		8	
		ION VII			AK PROC	EDURES
SIEPS TO BE TAK	EN IN CASE MATER	AL IS RELE	ASED OR S	PILLED	Cac Vo	000000 60000 60
petroleum	products and	ventilate	e. Lia	uid-Iri	ritant t	epaway from flame or o skin and tissues.
	idizable mater				1 TOUTTO C	o sain and cissues.
WASTE DISPOSAL	METHOD	AGAN UIJU	- V. III II I	(8)	(# .	
5		N/A	œ .			
196	V		85		* 8	
			ECIAL P	ROTEC	CTION IN	FORMATION .
RESPIRATORY PR	OTECTION (Specify t		1/A		l e	* **
VENTILATION	LOCAL EXHAUST	= =				SPECIAL
	MECHANICAL (Ge	meral)		et et	10.	OTHER
PROTECTIVE GLO	ves 1- Abestos Glo	VOC		EYE PE	ROTECTION	
OTHER PROTECTI	1- Abestos Glo VE EQUIPMENT	5.020		163		
0					<u>·</u>	
		ECTION I		CIAL P	RECAUTI	IONS
FRECAUTIONS TO	BE TAKEN IN HAND	LING AND	STORING			
						•
OTHER PRECAUTI	ONS		*	8 (2)		- a
i)		•	721			*

n y	C	FCTIONI	/ 1154	LTILLIATADO DA				
SECTION V - HEALTH HAZARD DATA THRESHOLD LIMIT VALUE								
EFFECTS OF OVEREXPOSURE								
Acts as an asphyxiant displacing the necessary								
amount of air to support life. EMERGENCY AND FIRST AID PROCEDURES Inhale fresh air or pure oxygen. Give								
artificial respiration if unconscious.								
	4 12		E					
SECTION VI - REACTIVITY DATA								
STABILITY	UNSTABLE			NS TO AVOID				
	STABLE							
INCOMPATABILITY	(Materials to avoid)	<u> </u>						
HAZARDOUS DECO	MPOSITION PRODUC	стѕ	a a					
HAZARDOUS	MAY OCCUP	₹		CONDITIONS TO AVOID	-			
POLYMERIZATION	WILL NOT C	CCUR	×	·				
11	()	•=	= 0	200 E	-			
STEPS TO BE TAKE	SECT			OR LEAK PROCEDURES				
			1 10	(i) 1 (i)	_			
Evacu	ate and ventil	ate the	area.					
WASTE DISPOSAL	METHOD							
		 		*				
		- 2						
SECTION VIII - SPECIAL PROTECTION INFORMATION								
RESPIRATORY PRO	TECTION (Specify ty	pe)						
VENTILATION	LOCAL EXHAUST			SPECIAL	\dashv			
	MECHANICAL (General)			OTHER	TA			
PROTECTIVE GLOV		'AS		EYE PROTECTION				
Tigiud - abestos gloves OTHER PROTECTIVE EQUIPMENT								
- 3								
PRECAUTIOUS TO				CIAL PRECAUTIONS				
- HECHOTIONS TO E	BE TAKEN IN HAND	LING AND S		Cylinders - 15 feet from flammables				
unless under sprinklers or separated by a 2 hour fire wall 4 feet high.								
3		- 8	- 1	9				

	20	CTION	N 115 A			
THRESHOLD LIMIT VALU	E .	CHON	V - HEA	LTH HA D DATA		
EFFECTS OF OVEREXPOSURE						
ACT	S AS AN A	SPHYXI	ANT DISPL	ACING THE NECESSARY AMOUNT OF AIR TO		
SUPPORT LI		DEC				
INF	IALE FRESH	AIR OF	R PURE OX	YGEN		
GIVE	ARTIFICI	AL RES	PIRATION	IF UNCONSIOUS		
	¥	SECTIO	N.VI. DI	EACTIVITY DATA		
STABILITY		020110		IS TO AVOID		
STAE	TABLE	, (1) a	3.00	3 TO AVOID		
INCOMPATABILITY (Mater		Χ,				
HAZARDOUS DECOMPOSI	TION PRODUC	TS				
	18		<u> </u>	CONDITIONS TO AVOID		
HAZARDOUS POLYMERIZATION	MAY OCCUR			· · · · · · · · · · · · · · · · · · ·		
9	WILL NOT O	CCUR	<u>X</u>			
	14.3					
	SECT	ION VII	- SPILL (OR LEAK PROCEDURES		
STEPS TO BE TAKEN IN C						
EVACUAT	E AND VEN	TILATE	THE ADEA			
	- 1110 1211	116/116	THE MILE			
WASTE DISPOSAL METHO	D		Ec.			
		. :				
, , , , , , , , , , , , , , , , , , , ,	SECTION	VIII - S	PECIAL P	ROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type)						
	AL EXHAUST			SPECIAL		
<u> </u>	HANICAL (Ger	ieral)		OTHER		
PROTECTIVE GLOVES		, N		EYE PROTECTION		
OTHER PROTECTIVE EQU	IPMENT	T T	2			
PRECAUTIONS TO BE TO				CIAL PRECAUTIONS		
PRECAUTIONS TO BE TAP	VEN IN HAND	LING AND	STORING	CYLINDERS 15 FEET FROM FLAMMABLES		
UNLESS UNDER SPRINKLERS OR SEPARATED BY A 2 HOUR FIRE WALL 4 FEET HIGH						
- WENT PECAUTIONS		223	¥2.			
	·		4			