



## 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

October 22, 2020

Request # 6230

Requester: Misti Kimberly Hamrick

Company: eScreenLogic

Re: 8507 Garden Grove Blvd.

Dear Ms. Hamrick,

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

## Life Safety & Hazardous Materials Disclosure Program

11301 Acacia Parkway, Garden Grove, CA 92842  
Bus 714-741-5600 Fax 714-741-5640

File # 209  
Fire District 2417  
Inspector FPB Shift N  
Next Insp 10 / 2014

Occupant or DBA LAMS AUTO REPAIR AND MUFFLER Business Tel 714 636-6844  
 Address 8507 GARDEN GROVE Blvd Suite B Zip 92844  
 Business Owner [REDACTED] Tel [REDACTED]  
 Emergency Contact \_\_\_\_\_ Tel \_\_\_\_\_  
 Group H4 Load \_\_\_\_\_ Sprinklers F/P/N N 5 yr. Cert. / Haz Mat

Fire Permits 291021 MOTOR VEHICLE REPAIR / SERVICING, 491011 HOT WORK - welding and cutting / open flame, 801031 HAZARDOUS MATERIALS - use, handling or storage.

An inspection at the above location/occupancy revealed the following violation(s) :

### ASSEMBLY OCCUPANCIES

- Post maximum occupancy load sign (CFC 1004.3)
- Remove combustibile decorative material (CFC 807.1.2)
- Remove storage under stairway (CFC 315.3.2)

### SIGNS

- Provide address visible from the street (CFC 505.1)
- Provide hazardous materials warning signs (CFC 2703.5)

### EXITS

- Provide/maintain approved panic hardware (CFC 1008.1.10)
- Remove locks, chains, bolts or bars from exit door (CFC 1008.1.9)
- Remove exit obstruction (CFC 1003.6)
- Provide/maintain illuminated exit sign(s) (CFC 1011.1)

### ACCESS

- Provide outside Knox Box (CFC 506.1)
- Remove obstructions to fire apparatus access (CFC 503.4)

### FIRE PROTECTION EQUIPMENT AND SYSTEMS

- Provide \_\_\_ extinguishers \_\_\_2A10BC \_\_\_40BC \_\_\_K (CFC 906.1)
- Service and tag extinguisher(s) (CFC 901.6)
- Hang extinguisher(s) 3.5'-5' from floor (CFC 906.9)
- Clean filters, ducts, hood above cooking surface (CFC 904.1)
- Service auto-extinguishing system semi-annually (CFC 904.11.6.2)
- 5 yr certification on sprinkler/standpipe system (Title 19, Sect. 904)

### MISCELLANEOUS

- Lower storage  18" below sprinklers or  2' from ceiling (CFC 315.3.1)
- Secure compressed gas cylinders (CFC 5303.5.3)
- Post  Business License  Fire Department permit (CFC 105.3.5)

NO VIOLATIONS

### ADDITIONAL VIOLATIONS AND/OR NOTES

CHEMICAL Inventory MATCHES WITH CHEMICAL ONSITE. 10/6/14

### ELECTRICAL SAFETY PRE-CAUTIONS

- Discontinue use of extension cords (CFC 605.5)
- Keep 30" clear for access in front of electrical panel (CFC 605.3)
- Provide/replace electrical  Cover  Socket  Power Strip (CFC 605.1)

### HAZ-MAT SAFETY PRE-CAUTIONS

- Provide approved cabinet if more than 10 gal. flammable liquids (CFC 5704.3.4.4)
- Provide approved safety container(s) for flammable liquids (CFC 5704.3.1)

### HAZARDOUS MATERIALS DISCLOSURE

(HSC CHAPTER 6.95 Section 25404, 25500 - 25520)

- Failure to implement and/or electronically submit a HMBP www.esubmit.ocgov.com MINOR - PASS WORK Request 7/18/14
- Chemical inventory is incomplete and/or requires updating
- The Emergency Response Plan is inadequate and/or does not adequately address Notification, Mitigation, Evacuation and/or Employee Training
- Site Map is incomplete or insufficient
- Failure to report a change in business or chemical inventory within 30 days of the following :
  - 100% or more increase in the quantity of a disclosed material
  - Addition of a previously undisclosed material
  - Change of business name and owner
- Failure to report a release or threatened release
- Failure to submit annual certification

- NO VIOLATIONS
- MINOR VIOLATION
- CLASS II VIOLATION
- CLASS I VIOLATION

ACE Ty LIME - 350  
SS - WASTE FILTER, - OXYGENIC < 1000  
- 220 WASTE OIL - 240

Business representative signature [Signature] Date 7-18-14  
 Inspector Name/ ID # 2867 Date 7/18/14  
 Cleared 10/6/14  Mailback card due \_\_\_/\_\_\_/\_\_\_  Re-inspection date \_\_\_/\_\_\_/\_\_\_  Final Notice \_\_\_/\_\_\_/\_\_\_



# GARDEN GROVE FIRE DEPARTMENT

11301 Acacia Parkway, P. O. Box 3070  
Garden Grove, CA 92842 (714) 741-5600

## FINAL NOTICE AND ORDER OF THE FIRE CHIEF

Date 9/15/14

Address of violation(s): 8507 GARDEN GROVE BLVD Insp. No 209

Occupant or DBA: LAMS AUTO REPAIR & MUFFLER

Business Owner Information:

Building Owner Information:

Owner: [REDACTED]

Owner: \_\_\_\_\_

Address: 8507 GARDEN GROVE BLVD

Address: \_\_\_\_\_

City: GARDEN GROVE CA

City: \_\_\_\_\_

Phone: 714-636-6844 Zip: 92844

Phone: \_\_\_\_\_ Zip: \_\_\_\_\_

A fire safety inspection at the above-named occupancy revealed violation(s) of the California Fire Code. You were provided written notification of the violation(s) and a reinspection was scheduled for 7/15/14, 9/15/14.

Upon reinspection, the following violation(s) was/were found to be uncorrected:

- FAILURE TO SUBMIT NMBP  
HSC CHAPTER 6.95 SEC. 25404.

Pursuant to Section 110.4 of the 2013 California Fire Code as adopted by Section 18.04.010 of the Garden Grove Municipal Code, you are hereby ordered to make all corrections as listed.

A FINAL reinspection will be made on 9/29, 2014. Failure to comply with all items of this order listed above constitutes a criminal offense and may subject the violator to criminal prosecution, administrative fines in an amount up to \$1,000 per violation and/or other enforcement actions as available.

2867  
Inspector

Condition upon Final reinspection: \_\_\_\_\_

Inspector Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Administrative Citation issued on \_\_\_\_\_

# GARDEN GROVE



## FIRE DEPARTMENT

### HAZARDOUS MATERIALS DISCLOSURE PROGRAM

#### REPORTING FORMS PACKET

**SHORT VERSION**

FOR OFFICIAL USE ONLY	
FACILITY ID NO.	<u>209</u>
BUSINESS NAME	<u>Jam's Auto Repair</u>
BUSINESS ADDRESS	<u>8507 Garden Grove Blvd.</u>
APPROVED BY	<u>G</u> DATE <u>3/2/11</u>
NEW BUSINESS	<input type="checkbox"/> YES <input type="checkbox"/> NO UPDATE _____
PICK	<u>4D</u> BUSLIST <u>  </u> CALARP: <u>  </u> CUPA: <u>  </u> GIS <u>  </u>
FEE	_____



**CITY OF GARDEN GROVE FIRE DEPARTMENT**  
 11301 Acacia Parkway, Garden Grove, CA 92842 (714) 741-5600 (714) 741-5636  
**Hazardous Materials Business Information Form**

**BUSINESS INFORMATION**

FACILITY # (Supplied by GGFD)	3 0 0 3 5	BEGINNING DATE	1	ENDING DATE	2
BUSINESS NAME	Sams Auto Repair & Muffler			BUSINESS PHONE	5
BUSINESS SITE ADDRESS	8507 Garden Grove Blvd				6
CITY	GARDEN GROVE	STATE	7	CA	8
DUN & BRADSTREET	10	SIC CODE (4 DIGIT #)	11	FIRE DISTRICT	12
COUNTY	ORANGE				13
BUSINESS OPERATOR NAME	14	OPERATOR'S PHONE	15		

**BUSINESS OWNER**

OWNER NAME	[REDACTED]			16	[REDACTED]	17
OWNER MAILING ADDRESS	13162 Allard St.					18
CITY	Garden Grove	STATE	19	CA	20	ZIP
						92840

**ENVIRONMENTAL CONTACT**

CONTACT NAME	Same			22	CONTACT PHONE	23
CONTACT MAILING ADDRESS						24
CITY	25	STATE	26	ZIP	27	

**PRIMARY EMERGENCY CONTACTS SECONDARY**

PRIMARY	EMERGENCY CONTACTS	SECONDARY
NAME	[REDACTED]	28
TITLE	Owner	29
BUSINESS PHONE	(714) 636 6944	30
24-HR. PHONE	[REDACTED]	31
PAGER #		32
NAME		33
TITLE		34
BUSINESS PHONE		35
24-HR. PHONE		36
PAGER #		37

**ADDITIONAL LOCALLY COLLECTED INFORMATION**

DESCRIBE THE TYPE OF BUSINESS OPERATION:	Auto Repair	38	TOTAL # OF EMPLOYEES	39
BILLING ADDRESS (IF DIFFERENT FROM ABOVE)		40	ATTENTION	41
PROPERTY OWNER	[REDACTED]	42	ADDRESS	43
Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.				
SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE		45	DATE	46
NAME OF SIGNER (print)		47	NAME OF DOCUMENT PREPARER (print)	49
TITLE OF SIGNER		48	TITLE OF DOCUMENT PREPARER	50





<u>Common Name</u>	<u>Chemical Name</u>	<u>Chemical Identity</u>	<u>CAS NO.</u>
5. Tin	Tin	0.3% Tin in lead alloy	7440-31-5

<u>OSHA PEL</u>	<u>ACGIH</u>	<u>TLV/STL</u>	<u>OTHER</u>	<u>CARCINOGEN</u>
2mg/M <sup>3</sup>	2mg/M <sup>3</sup>	none	5mg/M <sup>3</sup> action level	No

### III. Chemical and Physical Characteristics

#### 1. 30-38% Sulfuric Acid in water

1.240 to 1.280 specific gravity at 80° F  
100% soluble in water  
Colorless, odorless liquid  
Boiling point 230° F  
Not Flammable

#### 2. Lead Alloy and Compounds

Specific gravity 9.38 to 11.34  
Solubility in water is negligible (less than 0.1%)  
Grayish-white to dark brown, silvery metal with no  
odor, solid  
Melting range 620° to 1630° F  
Non Flammable

### IV. Health Hazards

#### 1. 30-38% Sulfuric Acid in water and fumes.

Contact causes severe burns to all tissue.  
Ingestion causes severe burns and ulceration.  
Inhalation causes severe respiratory irritation and  
may aggravate other respiratory conditions.

#### 2. Lead Alloy and Compounds

Product is a solid mass and warnings are based on  
inhalation of dust or transfer of materials to  
mouth from hands during eating, smoking or other  
activities that might involve ingesting the dust.  
Exposure may cause lassitude, weight loss,  
constipation, anemia, nausea, vomiting, paralysis,  
and central nervous system depression.





V. First Aid

1. Sulfuric Acid is a very strong acid which can severely burn skin and eyes and may be fatal if swallowed. The most important first aid measure for acid exposure is the immediate application of a large quantity of running water. Contaminated clothing should be removed under running water and the application of water continued until all traces of acid have been washed away. Get medical assistance immediately.

For eye contact wash with large amounts of running water. Remove any contact lenses. Hold eye lids open and wash all surfaces of eyes and lids. Get medical assistance immediately.

For ingestion do not induce vomiting. Drink as much milk or water as possible without vomiting. Get medical assistance immediately.

2. For Lead Alloy and Compounds Exposure

Wash any skin exposure with soap and water. For eye exposure flush thoroughly with water for 15 minutes. For ingestion get medical assistance immediately.

VI. Physical Hazards

1. Acid may escape from batteries during charging at high temperatures or if broken or turned over. Avoid overcharging and high temperatures during operations or storage. Handle carefully to avoid damaging or turning batteries over.

Hydrogen gas is formed during charging of batteries and by the action of sulfuric acid on most metals. Hydrogen gas is flammable and highly explosive.

2. Lead alloy and Compounds

Greatest exposure comes from dust in air and on hands when cleaning battery posts and if any internal solid materials are exposed if the battery is opened or broken.



**VII. Fire and Explosive Hazards**

Sulfuric Acid and lead alloy and compounds are not combustible. Use water, carbon dioxide or dry chemical on fires in the area.

**VIII. Safety Precautions**

Store batteries in well ventilated cool area. Handle carefully to avoid damaging or turning batteries over. When moving, connecting, disconnecting or maintaining batteries, or cleaning up acid spills, safety glasses, acid resistant gloves and full coverage acid resistant clothing must be worn. All acid must be neutralized immediately by covering with baking soda (sodium bicarbonate) or soda ash (sodium carbonate) and then rinsing with water. When brushing battery posts or handling solids from inside a battery dust masks, approved for lead dust, safety glasses, gloves and apron must be worn.

**IX. Special Precautions**

To avoid hydrogen fires or explosions, keep all sources of ignition away from batteries.

For example: Open flames as lighted matches or lighters; glowing materials as cigarettes or other hot objects; sparks or arcs as when connecting cables or wires to batteries or other electrical sources when circuits are not open, or shorting batteries or cables with metal tools.

Any broken or opened batteries must be placed in sealed plastic containers that will not leak acid or solid materials and delivered to a battery recycler.





7606 17/11/85

# MATERIAL SAFETY DATA SHEET



SAFETY-KLEEN CORP.

777 Big Timber Rd.

Elgin, IL 60120

IDENTITY (As Used on Label and List) Safety-Kleen 105 Solvent-MS		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
Section I		Part #6617	
Manufacturer's Name Safety-Kleen Corp.		Emergency Telephone Number 312/697-8460	
Address (Number, Street, City, State, and ZIP Code) 777 Big Timber Road		Telephone Number for Information 312/697-8460	
Elgin, Illinois 60120		Date Prepared 11/6/85	
		Signature of Preparer (optional)	

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Mineral Spirits	500 ppm	100 ppm	-	99.9+
Dye	Unk.	Unk.	-	0.003
Anti-Static Agent	Unk.	Unk.	100 est.	1 ppm

## Section III - Physical/Chemical Characteristics

Boiling Point	310-400°F	Specific Gravity (H <sub>2</sub> O = 1)	0.775-0.795
Vapor Pressure (mm Hg.) @ 68°F	2	Melting Point	N/A
Vapor Density (AIR = 1)	4.9	Evaporation Rate (Toluene = 1)	0.2

Solubility in Water: Negligible.

Appearance and Odor: Clear green liquid with characteristic hydrocarbon odor.

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	105°F TCC	Flammable Limits	LEL 0.7	UEL 6.0
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Extinguishing Media: CO<sub>2</sub>, foam, dry chemical, water (mist only)

Special Fire Fighting Procedures: None.

Unusual Fire and Explosion Hazards: None.

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	Heat, sparks, flame and fire.

Incompatibility (Materials to Avoid) **Strong oxidizing agents.**

Hazardous Decomposition or Byproducts  
 Normally none; however, incomplete burning may yield carbon monoxide.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI — Health Hazard Data**

Route(s) of Entry:	Inhalation? yes	Skin? no	Ingestion? yes
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Health Hazards (Acute and Chronic)  
 Skin - can cause drying of skin. Eyes - severe irritant. Inhalation - excessive inhalation can cause headache, dizziness and nausea. Ingestion - harmful or fatal if swallowed.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
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Not a known or potential carcinogen.  
 Signs and Symptoms of Exposure  
 Drying of skin, eye irritation, headache, dizziness, nausea.

Medical Conditions  
 Generally Aggravated by Exposure **Unknown.**

Emergency and First Aid Procedures  
 Skin - Wash with soap and water. Eyes - Irrigate with water. Inhalation - Remove to fresh air source and call a physician. Ingestion - DO NOT induce vomiting. Call a physician.

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled  
 Catch and collect for recovery as soon as possible. Avoid exposure to sparks, fire, flame, hot surfaces.

Waste Disposal Method  
 Dispose of in accordance with company, local, state and federal regulations.

Precautions to Be Taken in Handling and Storing  
 Combustible. Keep away from heat, sparks, flame. Use with adequate ventilation. Avoid long and repeated contact with skin. If clothes are inadvertently saturated with solvent-

Other Precautions  
 DO NOT SMOKE- keep away from ignition sources. Keep out of reach of children.

**Section VIII — Control Measures**

Respiratory Protection (Specify Type)  
 Self-contained breathing apparatus for concentrations above TLV limits.

Ventilation	Local Exhaust Normal room ventilation.	Special None.
	Mechanical (General) None.	Other None.

Protective Gloves In cases of prolonged contact, wear rubber gloves. Eye Protection Yes - eyeglasses, safety glasses.

Other Protective Clothing or Equipment  
 N/A

Work/Hygienic Practices  
 Do not smoke while using this solvent.

# SAFETY-KLEEN 105 PARTS WASHING SOLVENT

## MATERIAL SAFETY DATA SHEET

### SECTION I -- PRODUCT INFORMATION

Safety-Kleen Corporation - 777 Big Timber Road - Elgin, IL 60123  
For Product/Sales Information Call 708/697-8460

#### EMERGENCY TELEPHONE

These numbers are for emergency use only. If you desire non-emergency information about this product, please call the telephone number listed above.

#### MEDICAL:

800/942-5969 or 312/942-5969  
KUSH POISON CONTROL CENTER  
CHICAGO, ILLINOIS (24 HOURS)

#### TRANSPORTATION:

800/424-9300  
CHEMTREC

**IDENTIFY (TRADE-NAME):** SAFETY-KLEEN 105 PARTS WASHING SOLVENT

**SYNONYMS:** PETROLEUM DISTILLATES, PETROLEUM NAPHTHA, MINERAL SPIRITS, STODDARD SOLVENT

**SK PART NUMBER:** 6617

**FAMILY/CHEMICAL NAME:** HYDROCARBON SOLVENT

**PRODUCT USAGE:** SOLVENT FOR CLEANING AND DEGREASING PARTS

### SECTION II -- HAZARDOUS COMPONENTS

NAME	SYNONYM	%	CAS NO.	OSHA PEL (ppm)	ACGIH TLV (ppm)
Parts Washer Solvent (consists predominantly of C9-C13 hydrocarbon)	Mineral Spirits	(Typical % by Wt.)			
C9-C13 Saturated Hydrocarbon		85	64741-41-9	100 (Stoddard Solvent)	100 (Stoddard Solvent)
*Toluene		0.5	108-88-3	100 150 STEL	100 150 STEL
*Xylene		1.0	1330-20-7	100 150 STEL	100 150 STEL
*Ethyl Benzene		0.5	100-41-4	100 Skin 125 STEL	100 125 STEL
C8+ Aromatics		12.0	Mixture	NE	NE
Chlorinated Solvents		(Max 1% by Wt.)			
*1,1,1 Trichloroethane		< 0.5	71-55-6	350 450 STEL	350 450 STEL
*Tetrachloroethylene		< 0.5	127-18-4	25	50 200 STEL

NE = Not Established

\* See Section X - Other Regulatory Information

UN 1255

### SECTION III -- PHYSICAL DATA

**PHYSICAL STATE, APPEARANCE AND ODOR:**

Combustible liquid - clear, green, with characteristic hydrocarbon odor.

**BOILING POINT:**

300° - 429° F

# MATERIAL SAFETY DATA SHEET



## 1. PRODUCT IDENTIFICATION

MANUFACTURER'S NAME PENNZOIL COMPANY

CAS NUMBER: MIXTURE  
MSDS CODE: 000303 CASS#

ADDRESS P.O. BOX 2967  
HOUSTON, TX 77252-2967

NFPA HAZARD IDENTIFICATION  
DEGREE OF HAZARD HAZARD RATINGS  
0-LEAST  
HEALTH: 1 1-SLIGHT  
FIRE: 1 2-MODERATE  
REACTIVITY: 0 3-HIGH  
4-EXTREME

EMERGENCY TELEPHONE NO. (800) 546-6040

TRADE NAME: PENNZOIL® MOTOR OIL SAE 10W-40

SYNONYMS: HD 200 SAE 10W-40, SPECIAL PERFORMANCE MOTOR OIL 10W-40

BY: ENVIRONMENTAL, SAFETY & HEALTH  
(800) 546-6227

EFFECTIVE DATE: JULY 14, 1995  
SUPERSEDES DATE: AUGUST 03, 1994

## 2. INGREDIENTS

COMPONENT NAME CAS NUMBER	HAZARDOUS		PERCENTAGE		COMPONENT EXPOSURE LIMIT	UNIT
	IN BLEND		MIN	MAX		
BASE LUBRICATING OILS MIXTURE	NO		75	TO 85	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT
DETERGENT/INHIBITOR SYSTEM MIXTURE	NO		5	TO 15	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT
VISCOSITY INDEX IMPROVER MIXTURE	NO		5	TO 15	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT
POUR POINT DEPRESSANT MIXTURE	NO		<	1	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT

## 3. HEALTH INFORMATION AND PROTECTION

EYE CONTACT: THIS PRODUCT IS PRACTICALLY NON-IRRITATING TO THE EYES UPON DIRECT CONTACT. BASED ON TESTING OF SIMILAR PRODUCTS AND/OR COMPONENTS.

SKIN CONTACT: AVOID SKIN CONTACT. THIS PRODUCT IS MINIMALLY IRRITATING TO THE SKIN UPON DIRECT CONTACT. BASED ON TESTING OF SIMILAR PRODUCTS AND/OR COMPONENTS. PROLONGED OR REPEATED CONTACT MAY RESULT IN CONTACT DERMATITIS WHICH IS CHARACTERIZED BY DRYNESS, CHAPPING, AND REDDENING. THIS CONDITION MAY MAKE THE SKIN MORE SUSCEPTIBLE TO OTHER IRRITANTS, SENSITIZERS, AND DISEASE. PROLONGED OR REPEATED CONTACT MAY RESULT IN OIL ACNE WHICH IS CHARACTERIZED BY BLACKHEADS WITH POSSIBLE SECONDARY INFECTION. SEE HEALTH DATA SECTION BELOW.

**INHALATION:** THIS PRODUCT HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS. CAUTION SHOULD BE TAKEN TO PREVENT AEROSOLIZATION OR MISTING OF THIS PRODUCT. THE PERMISSABLE EXPOSURE LIMIT (PEL) AND THRESHOLD LIMIT VALUE (TLV) FOR THIS PRODUCT AS OIL MIST IS 5 MG/M3. EXPOSURES BELOW 5 MG/M3 APPEAR TO BE WITHOUT SIGNIFICANT HEALTH RISK. THE SHORT-TERM EXPOSURE LIMIT FOR THIS PRODUCT AS AN OIL MIST IS 10 MG/M3.

**INGESTION:** DO NOT INGEST. THIS PRODUCT IS RELATIVELY NON-TOXIC BY INGESTION. THIS PRODUCT HAS LAXATIVE PROPERTIES AND MAY RESULT IN ABDOMINAL CRAMPS AND DIARRHEA. SEE HEALTH DATA SECTION BELOW.

**HEALTH DATA:** ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO OIL MIST POSES A RISK OF PULMONARY DISEASE SUCH AS CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH AND COUGH ARE THE MOST COMMON SYMPTOMS.

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAS CONCLUDED THERE ARE INADEQUATE DATA TO EVALUATE THE CARCINOGENICITY TO EXPERIMENTAL ANIMALS OF THIS CLASS OF PRODUCTS. THUS THIS PRODUCT BELONGS TO IARC CLASSIFICATION GROUP 3, "NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS." THIS PRODUCT IS NOT CARCINOGENIC ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD.

FOR GASOLINE-ENGINE MOTOR OILS ONLY. AVOID SKIN CONTACT WITH USED MOTOR OILS. THE IARC HAS CONCLUDED THERE IS SUFFICIENT EVIDENCE THAT USED GASOLINE-ENGINE MOTOR OILS PRODUCE SKIN TUMORS IN EXPERIMENTAL ANIMALS.

## 4. EMERGENCY & FIRST AID PROCEDURES

**EYE CONTACT:** IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE FLUSHING UNTIL IRRITATION SUBSIDES. IF MATERIAL IS HOT, TREAT FOR THERMAL BURNS AND TAKE VICTIM TO HOSPITAL IMMEDIATELY.

**SKIN CONTACT:** REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED AREA THOROUGHLY WITH SOAP AND WATER. IF MATERIAL IS HOT, SUBMERGE INJURED AREA IN COLD WATER. IF VICTIM IS SEVERELY BURNED, REMOVE TO A HOSPITAL IMMEDIATELY.

**INHALATION:** THIS MATERIAL HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION EXPOSURE AT AMBIENT CONDITIONS.

**INGESTION:** DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

## 5. PERSONAL HEALTH PROTECTION INFORMATION

**EYE PROTECTION:** EYE PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF MATERIAL IS HANDLED SUCH THAT IT COULD BE SPLASHED INTO EYES, WEAR PLASTIC FACE SHIELD OR SPLASH-PROOF SAFETY GOGGLES.

**SKIN PROTECTION:** NO SKIN PROTECTION IS REQUIRED FOR SINGLE, SHORT DURATION EXPOSURES. FOR PROLONGED OR REPEATED EXPOSURES, USE IMPERVIOUS CLOTHING (BOOTS, GLOVES, APRONS, ETC.) OVER PARTS OF THE BODY SUBJECT TO EXPOSURE. IF HANDLING HOT MATERIAL, USE INSULATED PROTECTIVE CLOTHING (BOOTS, GLOVES, APRONS, ETC.). LAUNDRY SOILED CLOTHES. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES INCLUDING SHOES, WHICH CANNOT BE DECONTAMINATED.





## 8. ENVIRONMENTAL PRECAUTIONS

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: CONSULT HEALTH EFFECT INFORMATION IN SECTION III, PERSONAL HEALTH PROTECTION INFORMATION IN SECTION V, FIRE PROTECTION INFORMATION IN SECTION VI, AND REACTIVITY DATA IN SECTION VII. NOTIFY APPROPRIATE AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, OR OTHER MEANS AND PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

WASTE DISPOSAL METHOD: ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. CAUTION! IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED. WASTE MATERIAL MAY BE LANDFILLED OR INCINERATED AT AN APPROVED FACILITY. MATERIALS SHOULD BE RECYCLED IF POSSIBLE.

## 9. MISCELLANEOUS

HANDLING AND STORAGE REQUIREMENTS: DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS. THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS UNDER DOT REGULATIONS. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE. SEE NFPA 30 AND OSHA 1910.106--FLAMMABLE AND COMBUSTIBLE LIQUIDS. THIS PRODUCT IS NOT A CONTROLLED SUBSTANCE UNDER THE CANADIAN WHMIS REGULATIONS.

ADDITIONAL INFORMATION: THIS MIXTURE MAY BE FORMULATED IN PART WITH COMPONENTS PURCHASED FROM OTHER COMPANIES. IN MANY INSTANCES, ESPECIALLY WHEN PROPRIETARY OR TRADE SECRET MATERIALS ARE USED, PENNZOIL COMPANY MUST RELY UPON THE HAZARD EVALUATION OF SUCH COMPONENTS SUBMITTED TO PENNZOIL BY THAT PRODUCT'S MANUFACTURER OR IMPORTER.

=====

THIS PRODUCT CONTAINS THE FOLLOWING SARA TITLE III, SECTION 313 CHEMICALS:

ZINC COMPOUNDS, <2.5%

=====

ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY.

## 10. PHYSICAL PROPERTIES

BOILING POINT: > 800 F	PERCENT VOLATILE: NO DATA
MELTING POINT: - 20 F	VAPOR DENSITY (AIR=1): NO DATA
APPEARANCE: CLEAR AND BRIGHT	EVAPORATION RATE (EE=1): NO DATA
ODOR: MILD PETROLEUM ODOR	SPECIFIC GRAVITY: .8723
VAPOR PRESSURE: NO DATA	MOLECULAR WEIGHT: VARIES
SOLUBILITY: SOLUBLE IN HYDROCARBONS, EMULSIFIES IN WATER	

### DISCLAIMER OF WARRANTY:

THE INFORMATION CONTAINED HEREIN IS BASED UPON DATA AVAILABLE TO US, AND REFLECTS OUR BEST PROFESSIONAL JUDGEMENT. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF SUCH DATA, THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THAT ANY SUCH USE DOES NOT INFRINGE ANY PATENT. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS OF USE BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF SUCH APPLICATION. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS PARTICULAR PURPOSE.

72-62-7825-11

MATERIAL SAFETY DATA SHEET



THE VALVOLINE COMPANY

Division of Ashland Oil, Inc.
P.O. BOX 14000
LEXINGTON, KENTUCKY 40512
(806) 264-7000

24-hour
Emergency Telephone
1 (800) 274-5263 or
1-800-ASHLAND

000288

DEXRON III/MERCON

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

Product Name: DEXRON III/MERCON

Data Sheet No: 0200299-006.005
Prepared: 11/22/94
Supersedes: 11/16/94
Print Date: 01/07/95

SKS, INC.
DBA INLAND OIL
PO BOX 26940

SAN DIEGO CA 92196-094
ATTN: PLANT MGR / SAFETY DIR.

08 70 000 0875876-003

PRODUCT: 52638302
INVOICE: 832459
INVOICE DATE: 06/30/94
TO: INLAND OIL CO
DBA SKS, INC
1948 LYNX PLACE
ONTARIO CA 91761

SECTION I-PRODUCT IDENTIFICATION

General or Generic ID: PETROLEUM BASED-LUBRICATING OIL

SECTION II-COMPONENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION. SEE DEFINITION PAGE FOR CLARIFICATION

Table with 5 columns: INGREDIENT, Percent, PEL, TLV, Note. Rows include TRANSMISSION FLUID PACKAGE and PETROLEUM LUBE OIL.

Notes:

- (1) PEL/TLV NOT ESTABLISHED FOR THIS MATERIAL
(2) PEL/TLV IS FOR OIL MIST. ACGIH SHORT TERM EXPOSURE LIMIT (STEL) FOR OIL MIST IS 10 MG/CUM.

SECTION III-PHYSICAL DATA

Table with 2 columns: Property, Value. Rows include Boiling Point, Vapor Pressure, Specific Vapor Density, Specific Gravity, Percent Volatiles, Evaporation Rate, Appearance, State, Form.

SECTION IV-FIRE AND EXPLOSION INFORMATION

FLASH POINT(COC ) 365.0 Deg F ( 185.0 Deg C)
EXPLOSIVE LIMIT UNAVAILABLE
EXTINGUISHING MEDIA: REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL
HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS:, CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.
FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.
WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.
DENSE SMOKE MAY BE GENERATED WHILE BURNING.
SPECIAL FIRE & EXPLOSION HAZARDS: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

NFPA CODES: HEALTH- 1 FLAMMABILITY- 1 REACTIVITY- 0

SECTION V-HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL: NOT ESTABLISHED FOR PRODUCT. SEE SECTION II.

MAR 07 1995

72-62-7825-11

**MATERIAL SAFETY  
DATA SHEET**



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000288

**DEXRON III/MERCON**

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**SECTION V-HEALTH HAZARD DATA (Continued)**

**EFFECTS OF ACUTE OVEREXPOSURE:**

**EYES** - EXPOSURE IS NOT EXPECTED TO CAUSE EYE IRRITATION OR INJURY.  
**SKIN** - EXPOSURE MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY DRY THE SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING, DRYING AND CRACKING, AND SKIN BURNS. PRE-EXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.  
**BREATHING** - EXPOSURE IS POSSIBLE UNDER CERTAIN CONDITIONS OF HANDLING AND USE (E.G., DURING HEATING, SPRAYING, OR STIRRING).  
**SYMPTOMS** ARE MORE TYPICALLY SEEN AT AIR CONCENTRATIONS EXCEEDING THE RECOMMENDED EXPOSURE LIMITS. SYMPTOMS OF EXPOSURE MAY INCLUDE:  
- IRRITATION (NOSE, THROAT, RESPIRATORY TRACT)- PRE-EXISTING LUNG DISORDERS, E.G. ASTHMA-LIKE CONDITIONS, MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.  
**SWALLOWING** - SINGLE DOSE ORAL TOXICITY IS LOW. SWALLOWING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS; SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.  
**SYMPTOMS** MAY INCLUDE:  
- GASTROINTESTINAL IRRITATION (NAUSEA, VOMITING, DIARRHEA)-  
- ABDOMINAL PAIN-

**FIRST AID:**

**IF ON SKIN:** THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE.  
**IF IN EYES:** FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.  
**IF SWALLOWED:** DO NOT INDUCE VOMITING, KEEP PERSON WARM AND QUIET, AND GET MEDICAL ATTENTION.  
**IF BREATHED:** REMOVE INDIVIDUAL TO FRESH AIR.

**EFFECTS OF CHRONIC OVEREXPOSURE:**

NONE CURRENTLY KNOWN FOR THE PRODUCT.

**SECTION VI-REACTIVITY DATA**

**HAZARDOUS POLYMERIZATION:** CANNOT OCCUR  
**STABILITY:** STABLE  
**INCOMPATIBILITY:** AVOID CONTACT WITH:, STRONG OXIDIZING AGENTS

**SECTION VII-SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

**SMALL SPILL:** ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL.  
**LARGE SPILL:** PREVENT RUN-OFF TO SEWERS, STREAMS OR OTHER BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED, THAT A SPILL HAS OCCURRED.  
PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.

**WASTE DISPOSAL METHOD:**

**SMALL SPILL:** DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.  
**LARGE SPILL:** DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

**SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED**

**RESPIRATORY PROTECTION:** NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF OIL MISTS ARE GENERATED ABOVE RECOMMENDED PEL/TLV OF 5 MG/H3, THEN A NIOSH/MSHA APPROVED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. (SEE YOUR INDUSTRIAL HYGIENIST).  
**VENTILATION:** NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF UNUSUAL OPERATING CONDITIONS EXIST, THEN PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW PEL/TLV (S).  
**PROTECTIVE GLOVES:** NOT NORMALLY REQUIRED. HOWEVER, WEAR RESISTANT GLOVES SUCH AS NITRILE RUBBER TO PREVENT IRRITATION WHICH MAY RESULT FROM PROLONGED OR REPEATED SKIN CONTACT WITH PRODUCT.  
**EYE PROTECTION:** NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF MISTING OR SPLASHING CONDITIONS EXIST, THEN SAFETY GLASSES OR CHEMICAL SPLASH GOGGLES ARE ADVISED.  
**OTHER PROTECTIVE EQUIPMENT:** NORMAL WORK CLOTHING COVERING ARMS AND LEGS.

**SECTION IX-SPECIAL PRECAUTIONS OR OTHER COMMENTS**

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS DATASHEET MUST BE OBSERVED.  
THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

**SECTION X-LABEL INFORMATION**

**CAUTION!**

MAY CAUSE SLIGHT EYE IRRITATION.

MAR 07 1995

72-62-7825-11

MATERIAL SAFETY  
DATA SHEET



THE VALVOLINE COMPANY

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DEXRON III/MERCON

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**SECTION X-LABEL INFORMATION (Continued)**

PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN DISORDERS.  
SWALLOWING MAY CAUSE STOMACH CRAMPS AND DIARRHEA.

**HANDLING & STORAGE:**

AVOID CONTACT WITH EYES AND SKIN. WEAR SAFETY GLASSES OR GOGGLES, RESISTANT GLOVES, AND OTHER APPROPRIATE PROTECTIVE EQUIPMENT ESSENTIAL FOR YOUR OPERATION. USE NIOSH-APPROVED RESPIRATOR IF EXPOSED TO OIL MIST. DO NOT TRANSFER TO UNLABELED CONTAINER. DO NOT USE CUTTING OR WELDING TORCH ON THIS CONTAINER (EVEN EMPTY). BEFORE USE, REVIEW MATERIAL SAFETY DATA SHEET FOR MORE DETAILED INFORMATION, INCLUDING CHRONIC HEALTH EFFECTS.

**FIRST AID:**

EYES: FLUSH THOROUGHLY WITH WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.  
SKIN: WASH EXPOSED AREAS WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SKIN DISORDERS DEVELOP.  
INHALATION: IF AFFECTED BY OIL MIST, REMOVE TO FRESH AIR.  
INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

**CHRONIC INFORMATION:**

OVEREXPOSURE CURRENTLY UNKNOWN FOR THE PRODUCT. CONTAINS: PETROLEUM OIL AND PROPRIETARY OIL ADDITIVES.  
\*\*\* COMPONENTS APPEAR IN SECTION II \*\*\*

MAR 07 1995

LAST PAGE--SEE ATTACHMENT PAGE ENCLOSED--LAST PAGE



M a t e r i a l   S a f e t y   D a t a   S h e e t

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08/03/89

OXYGEN

Airco, Division of the BOC Group, Inc.  
575 Mountain Avenue  
Murray Hill, NJ 07974

Telephone: (908) 464-8100

Emergency Contact: CHEMTREC  
Emergency Phone Number: (800) 424-9300

SECTION #1 - IDENTIFICATION

Product: OXYGEN

CAS Number: 7782-44-7  
Product Code: MSDS CODE G-1  
Chemical Family: Oxidizer  
Chemical Formula: O<sub>2</sub>

Synonyms: G-1

NFPA Hazard Rating - Health: 3 High  
- Fire: 0 Negligible  
- Reactivity: 0 Negligible  
- Special: Oxy

SECTION #2 - CHEMICAL COMPONENTS

Component: OXYGEN  
CAS Number: 7782-44-7

Percent of Mixture: 99.6000 to 100.0000

SECTION #3 - PHYSICAL DATA

Boiling Point: -297.3°F - 182.9°C  
Melting Point: -361.8°F - 218.8°C  
Vapor Pressure: Above critical temp.  
Specific Gravity: 1.11 (gas, air=1.0)  
Solubility (H<sub>2</sub>O): Slightly soluble

Appearance

Colorless gas.

OXYGEN

**SECTION #3 - PHYSICAL DATA Continued...**Odor

Odorless.

**SECTION #4 - FIRE FIGHTING & EXPLOSION DATA**

Flash Point: N/A

Lower Explosive Limit (%): N/A

Upper Explosive Limit (%): N/A

Fire and Explosion Hazards

Electrical Classification: Nonhazardous

Vigorously accelerates combustion.

Extinguishing Media

Copious quantities of water (or the suitable extinguishing agent for the combustible material) for fires with oxygen as the oxidizer.

Special Fire Fighting Instructions

If possible, stop the flow of oxygen which is supporting the fire.

**SECTION #5 - EXPOSURE and EFFECTS - INHALATION**Routes of Exposure - Inhalation

High concentrations (greater than 75%) causes symptoms of hyperoxia which included cramps, nausea, dizziness, hypothermia, ambylophia, respiration difficulties, bradycardia, fainting spells and convulsions capable of leading to death. The property is that of hyperoxia which leads to pneumonia. concentrations between 25 an 75 percent present a risk of inflammation of organic matter in the body.

First Aid - Inhalation

PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO OXYGEN. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS.



OXYGEN

**SECTION #5 - EXPOSURE and EFFECTS - INHALATION Continued...**First Aid - Inhalation

Victims should be assisted to an uncontaminated area and inhale fresh air. Quick removal from the contaminated area is most important. Unconscious persons should be moved to an uncontaminated area, and if breathing has stopped, administer artificial resuscitation and supplemental oxygen. Further treatment should be symptomatic and supportive. The physician should be informed that the victim could be experiencing hyperoxia.

**SECTION #5 - EXPOSURE and EFFECTS - SKIN**Routes of Exposure - Skin

Contact with liquid product may cause tissue freezing.

First Aid - Skin

For dermal contact or frostbite: Remove contaminated clothing and flush affected areas with lukewarm water. DO NOT USE HOT WATER. A physician should see the patient promptly if the cryogenic "burn" has resulted in blistering of the dermal surface or deep tissue freezing.

**SECTION #5 - EXPOSURE and EFFECTS - EYES**Routes of Exposure - Eyes

Contact with liquid product may cause tissue freezing.

First Aid - Eyes

Never introduce ointment or oil into the eyes without medical advice! In case of freezing or cryogenic "burns" caused by rapidly evaporating liquid, DO NOT WASH THE EYES WITH HOT OR EVEN TEPID WATER! Remove victim from the source of contamination. Open eyelids wide to allow liquid to evaporate. If pain is present, refer the victim to an ophthalmologist for treatment and follow up. If the victim cannot tolerate light, protect the eyes with a light bandage.

**SECTION #5 - MISCELLANEOUS TOXICOLOGICAL INFORMATION**

Carcinogenicity: NTP - No

IARC - No

OSHA - No

OXYGEN

**SECTION #6 - REACTIVITY & POLYMERIZATION**

Stability: Stable

Conditions to Avoid (Stability)

Contact with all flammable materials.

Incompatible Materials

All flammable materials.

Hazardous Polymerization: Will Not Occur

**SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURES**Steps to be Taken in The Event of Spills, Leaks, or Release

Stationary customer site vessels should operate in accordance with the manufacturer's and Airco's instruction. Do not attempt to repair, adjust or in any other way modify the operation of these vessels. If there is a malfunction or other type of operations problem with the vessel, contact the closest Airco location immediately.

Waste Disposal Methods

Do not attempt to dispose of waste or unused quantities. Return in the shipping container PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE to Airco for proper disposal.

SARA Hazard Classes: Fire Hazard  
Sudden Release of Pressure Hazard

**SECTION #8 - SPECIAL PROTECTIVE MEASURES**Ventilation

Use local exhaust to prevent accumulation of high concentrations that increase the oxygen level in air to more than 25%.

Eye Protection

Safety goggles or glasses plus a face shield.

**SECTION #8 - SPECIAL PROTECTIVE MEASURES Continued...**Skin Protection

Loose fitting and insulated.

Other Protection

Safety shoes, safety shower.

**SECTION #9 - SPECIAL PRECAUTIONS - STORAGE & HANDLING**Storage & Handling Conditions

Use only in well-ventilated areas. Valve protection caps must remain in place unless container is secured with valve outlet piped to use point. Do not drag, slide or roll cylinders. Use a suitable hand truck for cylinder movement. Use a pressure reducing regulator when connecting cylinder to lower pressure (<3000 psig) piping or systems. Do not heat cylinder by any means to increase the discharge rate of product from the cylinder. Use a check valve or trap in the discharge line to prevent hazardous back flow into the system.

Protect cylinders from physical damage. Store in cool, dry, well-ventilated area away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 130°F (54°C). Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Full and empty cylinders should be segregated. Use a "first in-first out" inventory system to prevent full cylinders being stored for excessive periods of time. Post "NO SMOKING OR OPEN FLAMES" signs in the storage area or use area. There should be no sources of ignition in the storage or use area.

For additional storage recommendations, consult Compressed Gas Association's Pamphlets P-1, P-14, and safety bulletin SB-2.

Never carry a compressed gas cylinder or a container of a gas in cryogenic liquid form in an enclosed space such as a car trunk, van or station wagon. A leak can result in a fire, explosion, asphyxiation or a toxic exposure.

**SECTION #10 - SHIPPING INFORMATION**

Proper Shipping Name: Oxygen or Oxygen, Compressed

Hazard Class: Nonflammable Gas  
DOT Identification Number: UN1072  
DOT Shipping Label: Oxidizer

OXYGEN

**SECTION #10 - SHIPPING INFORMATION Continued...****SECTION #11 - MISC COMMENTS & REFERENCE DOCUMENTATION**

Carbon steels and low alloy steels are acceptable for use at lower pressures.

For high pressure applications stainless steels are acceptable as are copper and its alloys, nickel and its alloys, brass bronze, silicon alloys, Monel (R), Inconel (R) and beryllium. Lead and silver or lead tin alloys are good gasket materials. Teflon (R), Teflon (R) composites, or Kel-F (R) are preferred non-metallic gasket materials.

Check with the supplier to verify oxygen compatibility for the service conditions.

For additional storage recommendations, consult Compressed Gas Association's Pamphlets P-1, P-14 and G-4.

Oxygen should not be used as a substitute for compressed air in pneumatic equipment since this type generally contains flammable lubricants. Equipment to contain oxygen must be "cleaned for oxygen service." Compressed gas vessels should not be refilled except by qualified producers of compressed gases. Shipment of a compressed gas vessel which has not been filled by the owner or with his (written) consent is a violation of Federal Law (49CFR).

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Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).



Material Safety Data Sheet

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Rev. Date  
05/09/89

ACETYLENE

Airco, Division of The BOC Group, Inc.  
575 Mountain Avenue  
Murray Hill, NJ 07974

Telephone: (201) 464-8100  
908

Emergency Contact: CHEMTREC  
Emergency Phone Number: (800) 424-9300

SECTION #1 - IDENTIFICATION

Product: ACETYLENE

CAS Number: 74-86-2  
Product Code: MSDS CODE G-2  
Chemical Family: Alkyne  
Chemical Formula: C<sub>2</sub>H<sub>2</sub>

Synonyms: ETHENE  
G-2

NFPA Hazard Rating - Health: 1 Slight  
- Fire: 4 Extreme  
- Reactivity: 3 High

SECTION #2 - CHEMICAL COMPONENTS

Component: ACETYLENE  
CAS Number: 74-86-2 Percent of Mixture: 100.0000  
ACGIH TLV-TWA: D, simple asphyxiant

SECTION #3 - PHYSICAL DATA

Boiling Point: -118.8°F -83.8°C  
Melting Point: -113°F -80.6°C  
Vapor Pressure: 645 psia  
Specific Gravity: 0.906  
Solubility (H<sub>2</sub>O): Soluble

Appearance

A colorless gas.

## ACETYLENE

## SECTION #3 - PHYSICAL DATA Continued...

Odor

Pure acetylene has an ethereal odor. Commercial (carbide) acetylene has a distinctive garlic-like odor.

## SECTION #4 - FIRE FIGHTING &amp; EXPLOSION DATA

Flash Point: Gas  
Autoignition: 565°F 296°C

Lower Explosive Limit (%): 2.2  
Upper Explosive Limit (%): 80 - 85\*

Fire and Explosion Hazards

\*Pure acetylene can ignite by decomposition above 15 psi; therefore, the UEL is 100% if the ignition source is of sufficient intensity.

Electrical Classification: Class 1, Group A.

GASEOUS ACETYLENE IS SPONTANEOUSLY COMBUSTIBLE IN AIR AT PRESSURES ABOVE 15 PSI (207 kPa.). It requires a very low ignition energy so that fires, which have been extinguished without stopping the flow of gas can easily reignite with possible explosive force. Acetylene has a density very similar to that of air so when leaking it does not readily dissipate.

Extinguishing Media

Carbon dioxide, dry chemical.

Special Fire Fighting Instructions

If possible, stop the flow of gas supply and allow fuel to consume itself. Use water spray to cool adjacent areas. Keep personnel away since heated or burning cylinders can rupture violently.

## SECTION #5 - EXPOSURE and EFFECTS - INHALATION

Routes of Exposure - Inhalation

Acetylene is a simple asphyxiant. Oxygen levels should be maintained at greater than 18 molar percent at normal atmospheric pressure which is equivalent to a partial pressure of 135 mm Hg. High concentrations of acetylene so as to exclude an adequate supply of oxygen to the lungs causes dizziness, deeper breathing due to air hunger, possible nausea and eventual unconsciousness.

ACETYLENE

**SECTION #5 - EXPOSURE and EFFECTS - INHALATION Continued...**Routes of Exposure - Inhalation

Acetylene is relatively inactive biologically and essentially nontoxic; therefore, the major hazard is the exclusion of an adequate supply of oxygen to the lungs. Low concentrations (10-20% in air) cause symptoms similar to that of being intoxicated. As a narcotic gas or intoxicant, it causes hypercapnia (an excessive amount of carbon dioxide in the blood). Repeated exposures to tolerable levels has not shown deleterious effects.

Exposure to the acetone component is unlikely unless cylinder is leaking on its side. Acetone is primarily a central nervous system toxin causing headache, nausea, dizziness, vomiting and fatigue.

First Aid - Inhalation

PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE. PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS.

Victims should be assisted to an uncontaminated area and inhale fresh air. Quick removal from the contaminated area is most important. If breathing has stopped administer artificial resuscitation and supplemental oxygen. Further treatment should be symptomatic and supportive. Keep victim warm and quiet.

**SECTION #5 - EXPOSURE and EFFECTS - SKIN**Routes of Exposure - Skin

Skin effects are not likely. Contact with liquid acetone may cause irritation and dermatitis upon repeated exposures.

First Aid - Skin

Wash affected areas with soap and warm water. If irritation persists, seek medical attention.

**SECTION #5 - MISCELLANEOUS TOXICOLOGICAL INFORMATION**

Carcinogenicity: NTP: No

IARC: No

OSHA: No

ACETYLENE

**SECTION #6 - REACTIVITY & POLYMERIZATION**

Stability: Unstable

Conditions to Avoid (Stability)

Do not allow free gas (outside of cylinder) to exceed 15 psi. Do not expose cylinders to sudden shock or heat.

Incompatible Materials

Oxygen and other oxidizers including all halogens and halogen compounds. Forms explosive acetylide compounds with copper, mercury, silver, brasses containing >66% copper and brazing materials containing silver or copper.

Hazardous Decomposition Products

Carbon monoxide and hydrogen.

Hazardous Polymerization: Will not occur.

**SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURES**Steps to be Taken in The Event of Spills, Leaks, or Release

Evacuate all personnel from affected areas. Use appropriate protective equipment. If leak is in user's equipment, be certain to purge piping with an inert gas prior to attempting repairs. If leak is in container or container valve, contact CHEMTREC for emergency assistance or call your closest Airco location.

Waste Disposal Methods

Do not attempt to dispose of waste or unused quantities. Return in the shipping container PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE to Airco for proper disposal.

SARA Hazard Classes: Acute Health Hazard  
Fire Hazard  
Sudden Release of Pressure Hazard



ACETYLENE

**SECTION #8 - SPECIAL PROTECTIVE MEASURES**Ventilation

Hood with forced ventilation. Local exhaust to prevent accumulation above the exposure limit. Mechanical in accordance with electrical codes.

Eye Protection

Safety goggles or glasses.

Skin Protection

PVC or rubber in laboratory; as required for cutting and welding.

Respiratory Protection

Positive pressure air line with mask or self-contained breathing apparatus should be available for emergency use.

Other Protection

Safety shoes, safety shower.

**SECTION #9 - SPECIAL PRECAUTIONS - STORAGE & HANDLING**Storage & Handling Conditions

Use only in well-ventilated areas. Valve protection caps must remain in place unless container is secured with valve protection outlet piped to use point. Do not drag, slide or roll cylinders. Use a suitable hand truck for cylinder movement. Use a pressure reducing regulator when removing gas from the cylinder. DO NOT ALLOW THE FREE GAS TO EXCEED 15 PSI (207 kPa) @ 70°F (21.1°C). Do not heat cylinder by any means to increase the discharge rate of product from the cylinder. Use a check valve or trap in the discharge line to prevent hazardous back flow into the cylinder.

Protect cylinders from physical damage. Store in cool, dry, well-ventilated area of non-combustible construction away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 130°F. Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Use a "first in-first out" inventory system to prevent full cylinders being stored for excessive periods of time. Post "NO SMOKING OR OPEN FLAMES" signs in the storage area or use area. There should be no sources of ignition in the storage or use area.

**SECTION #10 - SHIPPING INFORMATION**

Proper Shipping Name: Acetylene

ACETYLENE

**SECTION #10 - SHIPPING INFORMATION Continued...**

Hazard Class: Flammable Gas  
DOT Identification Number: UN1001  
DOT Shipping Label: Flammable Gas

**SECTION #11 - MISC COMMENTS & REFERENCE DOCUMENTATION**

Earth-ground and bond all lines and equipment associated with the acetylene system. Electrical equipment should be non sparking or explosion-proof.

Compressed gas cylinders should not be refilled except by qualified producers of compressed gases. Shipments of a compressed gas cylinder, which has not been filled by the owner or with his (written) consent, is a violation of Federal Law (49CFR).

For additional recommendations, consult Compressed Gas Association Pamphlets P-1, G-1. NFPA #51-1984. OSHA 1910-subpart H & Q.

Since acetylene will explode or combust if its pressure exceeds 15 psi (207 kPa), it is shipped dissolved in acetone or dimethylformamide, which is dispersed in a porous mass within the cylinder. Follow AIRCO's instructions for the maximum withdrawal rate for each size cylinder so that the solvent is not withdrawn with the acetylene.

Most metals except silver, copper, mercury, or brasses with more than 66% copper are compatible (noncorrosive) with acetylene.

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).



**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: Lam's Auto Body Telephone: 636-6844  
Site Address: 8507-B Garden Grove Blvd Zip Code: 92644

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

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

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

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

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

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

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

Print Name [Redacted] Signature E. Amador  
Job Title Owner Date 9-30-08  
Fire Department Inspector R. Walden ID # 3703



**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: LAM's Auto Repair  
Site Address: 8507 Garden Grove Blvd #B

Telephone: (714) 656-6844  
Zip Code: 92844

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

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

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2. The business attests to the following:
  - The information contained in the annual inventory form most recently submitted to the Garden Grove Fire Department is complete, accurate, and up to date.
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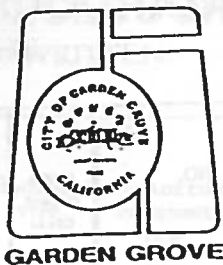
**AS AN AUTHORIZED REPRESENTATIVE, I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED AND BELIEVE THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE.**

Print Name [REDACTED]

Signature Eamlaw

Job Title Owner

Date 3-7-01



**CITY OF GARDEN GROVE, CALIFORNIA**  
 MAILING ADDRESS: P.O. BOX 3070, GARDEN GROVE, CALIFORNIA 92842  
 714-741-5600



**LAM'S AUTO REPAIR**  
**BUSINESS EMERGENCY PLAN**

Business Name LAM'S Auto Repair & Muller

Business Address 8507 Garden Grove Blvd City G. G. State CA Zip 92644

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

Business Phone (714) 636-6844 Business License # AA192596  
 Fax Number ( ) \_\_\_\_\_

Owner/Operator: Name \_\_\_\_\_ Phone Number \_\_\_\_\_

Address \_\_\_\_\_ City G. G. State CA Zip 92840

Type of Business Operation Auto Repair

EPA # SR EA 97017843 SIC Code 5541

Emergency Contacts: Name \_\_\_\_\_ or \_\_\_\_\_

Address \_\_\_\_\_ City Westminster State CA Zip 92683

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

Property Owner: Name \_\_\_\_\_ Phone Number \_\_\_\_\_

Address \_\_\_\_\_ City G. G. State CA Zip 92644

Total Number of Employees 1-2 Dun and Brad Street Numbers \_\_\_\_\_

REC'D/APPR'V'D: MARQUEZ DATE 11-3-97

Office Use Only

FEE:  1  2  3  4 NEW BUS.  EXISTG.  UPDATE

MISC: UTC fac & cont. - ?

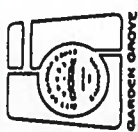
MLI# \_\_\_\_\_ Short \_\_\_\_\_ Long \_\_\_\_\_

TIER II:  FAC: 1/4 CON: 1/4 BUS LIST: 1/4 PICK: 1/4

# HAZARDOUS MATERIALS DISCLOSURE FORM

BUSINESS NAME: Linn's Auto Repair & Muffler  
 ADDRESS: 8507 G.G. Blvd.  
 MLI # \_\_\_\_\_ (office use only)

DATE: 11-3-97  
 PAGE # 1 of 1



1. TRADE NAME	2. HAZARDOUS SUBSTANCES IN PRODUCT (top 3 as per % weight on MSDS)	3. CAS NO.	4. SARA Hazard Class Table 1	5. Physical State Table 2	6. MAX DAILY AMOUNT Table 3	7. AVG. DAILY AMOUNT Table 3	8. DAYS ON SITE	9. CONTAINER TYPE Table 4	10. STORAGE CODE PRESSURE/TEMP. Table 5	11. LOCATION (NOTE BY QUANT AND DESCRIBE AREA)	12. STATE WASTE NUMBER (3 DIGIT CODE)	13. DOT/UN/NA NUMBER	14. HAZARD CLASS Table 6
1. Safety Kleen	Mineral Spirits Dye Anti-Static Agent	64741-41-9	1.4	L	00	00	365	E	1.1	Center of East wall.	-	1255	11
2. motor oil (new)	Petroleum Distillates	000303	1.4	L	00	00	365	E	1.1	North East Corner of Shop.	-	1270	11
3. Transmission fluid (new)	Petroleum Lube Oil	64742-65-0	1.4	L	00	00	365	E	1.1	North East Corner of Shop.	-	1270	11
4. WASTE OIL	Petroleum Distillates	64742-54-7	1.4	L	00	00	365	E	1.1	OUTSIDE AT N.W. corner of Shop.	-	1270	11
5. Oxygen	Oxygen	7782-44-7	2.	G	02	01	365	K	3.1	Center of Shop.	-	1072	17
6. Acetylene	Acetylene	74-86-2	1.2 4	G	01	00	365	K	3.1	Center of Shop.	-	1001	10
7. Batteries	Battery Acid Lead Antimony, Arsenic	7664-93-9 7439-92-1 7440-36-0 7440-38-2	3.4	M	00	00	365	Q	1.1	Center of west wall.	-	-	4
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													

<b>Table#1 SARA Hazard</b> Physical 1-Fire 2-Sudden Release of Pressure 3-Reactivity Health 4-Immediate (Acute) 5-Delayed (Chronic)	<b>Table#2</b> Physical State P-Pure M-Mixture S-Solid (Report pounds) L-Liquid (Report gallons) G-Gas (Report cubic feet)	<b>Table#3 Amount Chart</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Value</th> <th>Amount Range</th> </tr> </thead> <tbody> <tr><td>00</td><td>0</td></tr> <tr><td>01</td><td>100</td></tr> <tr><td>02</td><td>300</td></tr> <tr><td>03</td><td>600</td></tr> <tr><td>04</td><td>1000</td></tr> <tr><td>05</td><td>6000</td></tr> <tr><td>06</td><td>10000</td></tr> <tr><td>07</td><td>20000</td></tr> </tbody> </table>	Value	Amount Range	00	0	01	100	02	300	03	600	04	1000	05	6000	06	10000	07	20000	<b>Table#4 Container Type</b> A- Aboveground Tank B- Bag(s) C- Box(s) D- Carboy(s) E- Drum(s) or Barrel(s) F- Fixed Pressurized Cylinders G- Glass Containers H- In Machinery or Equip. I- Insulated Tank(Cryogenics) J- Metal Containers K- Movable Pressurized Cylinders L- Plastic Containers M- Rail Car N- Silo O- Tank inside building P- Underground Tank Q- Other	<b>Table#5 Storage Code</b> Pressure / Temperature 1- Ambient 2- Less than ambient 3- Greater than ambient 1- Ambient 2 - Less than ambient, but not cryogenic 3 - Greater than ambient 4 - Cryogenic * Ambient = room pressure or temperature	<b>Table#6 Hazard Class (see MSDS sheets for info)</b> 1- Blasting Agent 2- Carcinogen 3- Combustible Liquids 4- Corrosive 5- Cryogenics 6- Etiologic Agents 7- Explosive A 8- Explosive B 9- Explosive C 10- Flammable Compressed Gas 11- Flammable Liquid 12- Flammable Solid 13- Hypergolic 14- Irritant 15- Non Flammable 16- Organic Peroxide 17- Oxidizer 18- Pesticide 19- Poison A (Compressed Poisonous Gas) 20- Poison B (Solid/Liquid) 21- Pyrophoric or Spontaneously Combustible 22- Radioactive
Value	Amount Range																						
00	0																						
01	100																						
02	300																						
03	600																						
04	1000																						
05	6000																						
06	10000																						
07	20000																						

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

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

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

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

- + Print Name of Owner: \_\_\_\_\_
- + Print Name of Document Preparer: \_\_\_\_\_
- + Signature of Owner/Operator: Everlast Date: 11/3/97

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

\*

**BUSINESS EMERGENCY PLAN**

Business Name Lam's Auto Repair & Muller

Business Address 8507 Garden Grove Av City G. G. State CA Zip 92840

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

Business Phone (714) 636-6844

FAX Number ( ) None

Owner/Operator: Name [Redacted] Phone Number [Redacted]

Address [Redacted] City G. G. State CA Zip 92840

Primary Contact : Name [Redacted]

Address \_\_\_\_\_ City G. G. State CA Zip 92840

24 Hour Phone Number [Redacted] Phone Number [Redacted]

Type of Business Operation Auto Repair Services



## TABLE OF CONTENTS

INTRODUCTION: Business Emergency Plan - Short Version

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

## Hazardous Materials Business Emergency Plan - Short Version

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

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

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

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

### Exemptions

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

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

Personnel Emergency Notifications and Responsibilities

(A) Employee Evacuation and Staging Areas:

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

Verbal

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

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

The Staging area is at the following location:

Parking Area

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

**F) Site Plan**

Use the symbols below to indicate on the attached sheet specific areas on the Site Plan. The Site Plan should be neat, clean, and drawn to scale if possible.

 HAZARDOUS MATERIAL LISTED BY SYMBOL AND NUMBER.

**NOTE: THIS NUMBER SHOULD CORRESPOND WITH NUMBERS LISTED ON DISCLOSURE FORM.**

 ELECTRICAL MAIN

 GAS MAIN

 WATER MAIN

 EVACUATION AREA

 NORTH DIRECTIONAL ARROW

 INDICATE KNOX BOX LOCATIONS (lock box for keys)

 AUTOMATED SPRINKLERED BUILDING      **NEEDED ON ALL SPRINKLERED BUILDINGS.**

 FIRE DEPARTMENT SPRINKLER CONNECTION

 FIRE HYDRANT