**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Substance Description</th>
<th>Percent</th>
<th>CAS#</th>
<th>NTP</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYLENE CHLORIDE</td>
<td>50-55</td>
<td>75-09-2</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>MINERAL SPIRITS</td>
<td>10-15</td>
<td>N/A</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>BLEND</td>
<td>5-10</td>
<td>N/A</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>POTASSIUM HYDROXIDE SOLUTION</td>
<td>1-5</td>
<td>1310-58-3</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>PROPRIETARY BLEND</td>
<td>1-5</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

**Carcinogenicity**

- **METHYLENE CHLORIDE**: 50-55, 75-09-2
- **MINERAL SPIRITS**: 10-15, N/A
- **BLEND**: 5-10, N/A
- **POTASSIUM HYDROXIDE SOLUTION**: 1-5, 1310-58-3
- **PROPRIETARY BLEND**: 1-5, N

**SECTION 3. REGULATORY INFORMATION**

**Exposure Limits/Regulatory Information**

<table>
<thead>
<tr>
<th>Substance Description</th>
<th>REG AGCY U/M</th>
<th>TWA</th>
<th>STEL</th>
<th>CEIL</th>
<th>SKIN</th>
<th>PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYLENE CHLORIDE</td>
<td>ACGIH PPM</td>
<td>50.00</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
<td>N/E</td>
</tr>
<tr>
<td>OSHA PPM</td>
<td>25.00</td>
<td>125.00</td>
<td>1000.00</td>
<td>N</td>
<td>N/E</td>
<td></td>
</tr>
</tbody>
</table>

**OSHA Peak Concentration for 8-Hr Shift: 2000 PPM for 5 Min. In Any 2 Hrs.**

**Exxon recommends an occupational exposure limit of 100 PPM total hydrocarbon based on composition.**
**SECTION 3. REGULATORY INFORMATION**

**STODDARD SOLVENT, TYPE I**

<table>
<thead>
<tr>
<th>Substance Description</th>
<th>ACGIH</th>
<th>PPM</th>
<th>100.00</th>
<th>N/E</th>
<th>N/E</th>
<th>N</th>
<th>N/E</th>
<th>500.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYLENE CHLORIDE/PHENOL BLEND</td>
<td>ACGIH</td>
<td>PPM</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>PHENOL</td>
<td>ACGIH</td>
<td>PPM</td>
<td>5.00</td>
<td>N/E</td>
<td>N/E</td>
<td>Y</td>
<td>N/E</td>
<td>5.00</td>
</tr>
<tr>
<td>POTASSIUM HYDROXIDE SOLUTION</td>
<td>ACGIH</td>
<td>MG/M3</td>
<td>N/E</td>
<td>N/E</td>
<td>2.00</td>
<td>N</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>POTASSIUM HYDROXIDE</td>
<td>ACGIH</td>
<td>MG/M3</td>
<td>N/E</td>
<td>N/E</td>
<td>2.00</td>
<td>N</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>PROPRIETARY BLEND</td>
<td>ACGIH</td>
<td>PPM</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
<td>N/E</td>
<td>N/E</td>
</tr>
</tbody>
</table>

**ADDITIONAL REGULATORY INFO**

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

**CALIFORNIA (PROPOSITION #65)**

**WARNING:** Using this product will expose you to Methylene Chloride, which is known to cause cancer.

**SEC. 313 SUPPLIER NOTIFICATION**

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372):

<table>
<thead>
<tr>
<th>Substance Description</th>
<th>ACGIH</th>
<th>PPM</th>
<th>5.00</th>
<th>N/E</th>
<th>N/E</th>
<th>N</th>
<th>N/E</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHENOL</td>
<td>ACGIH</td>
<td>PPM</td>
<td>5.00</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
<td>N/E</td>
</tr>
<tr>
<td>POTASSIUM HYDROXIDE BLEND</td>
<td>ACGIH</td>
<td>PPM</td>
<td>5.00</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
<td>N/E</td>
</tr>
<tr>
<td>POTASSIUM HYDROXIDE SOLUTION</td>
<td>ACGIH</td>
<td>PPM</td>
<td>5.00</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
<td>N/E</td>
</tr>
<tr>
<td>PROPRIETARY BLEND</td>
<td>ACGIH</td>
<td>PPM</td>
<td>5.00</td>
<td>N/E</td>
<td>N/E</td>
<td>N</td>
<td>N/E</td>
</tr>
</tbody>
</table>

**CLEAN AIR ACT**

This formula contains no known ozone depleting chemicals.

**HAZARD COMMUNICATION STANDARD**

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.
SECTION 4. HAZARDS IDENTIFICATION

INHALATION ACUTE EXPOSURE EFFECTS
Vapor harmful. May cause dizziness; headache; nausea; watering of eyes; irritation of respiratory tract; muscle weakness; muscle twitches; sweating; pallor; ringing in ears; irritation to the mucous membranes; gastric disturbances; edema of lungs; injury to kidney, liver, heart, pancreas and spleen; arm, leg and chest pains; hot flashes; increase in carboxyhemoglobin levels, which can cause stress to the cardiovascular system; vomiting; depression of the central nervous system; fall in body temperature; numbness in fingers, arms and legs; irregular or rapid heartbeat; depression; loss of coordination; weakness; drowsiness; loss of appetite; fatigue; irritation; vomiting; eye irritation; anesthesia; insomnia; lightheadedness; stomach and intestinal pain; heartburn; confusion; giddiness; narcosis; brain damage; hallucinations; unconsciousness; olfactory changes; shock; collapse; coma; and death. Severe overexposure may cause poisoning; convulsions; unconsciousness; and death. Elevated carboxyhemoglobin levels can be additive to the increase caused by smoking and other carbon monoxide sources. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal.

SKIN CONTACT ACUTE EXPOSURE EFFECTS
Harmful if absorbed through skin. Product may be absorbed through skin. Causes severe burns. May cause irritation; drying and cracking of skin; burning; redness; blisters; numbness in fingers and arms; erythema; dermatitis; defatting of skin; white patches and wrinkles on skin; itching, pain, and tissue destruction; intense intense pain if not promptly removed; and skin discoloration and anesthetization. Absorption through skin may cause poisoning and death. May cause increase and cause additional symptoms listed under inhalation.

EYE CONTACT ACUTE EXPOSURE EFFECTS
This material is an eye irritant. Causes severe burns. May cause irritation and injury; severe corneal temporary corneal effects; corneal damage; stinging; tearing; redness; and swelling. If not promptly removed, will injure eye tissue, which may result in permanent damage. May cause symptoms listed under inhalation. Vapors may also cause irritation.

INGESTION ACUTE EXPOSURE EFFECTS
Harmful or fatal if swallowed. May cause dizziness; nausea; headache; irritation to mouth, nose, throat and stomach; abdominal pains; burns in mouth, pharynx and gastrointestinal tract; gastrointestinal irritation; muscle weakness and twitches; vomiting; diarrhea including bloody diarrhea; intense burning of mouth and throat; skin rash; urine output may be scanty and may contain casts and hemoglobin; irregular breathing; frothing at mouth and nose; blue coloration of skin; fall in blood pressure; depression of the central nervous system; collapse; shock; unconsciousness; and death. May produce additional symptoms listed under inhalation. Liquid aspirated into lungs, during vomiting, may cause chemical pneumonia and systemic effects.

CHRONIC EXPOSURE EFFECTS
Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. May cause dizziness; headache; fainting; skin rash, irritations, eruptions, or discoloration; loss of appetite; difficult swallowing; digestive disturbances; permanent central nervous system changes; jaundice; changes in blood; blood disorders; damage to bone marrow; mental confusion; mental disturbances; hallucinations; decreased response to visual and auditory stimulation; blindness; liver, kidney and lung damage; and death. Some individuals may be hypersensitive to this material.
MEDICAL CONDITIONS AGGRAVATED
Diseases of the blood, skin, liver, kidneys, lungs, cardiovascular system and respiratory system; alcoholism; and rhythm disorders of the heart.

PRIMARY ROUTE OF EXPOSURE
Inhalation, ingestion, and dermal.

SECTION 5. FIRST AID MEASURES

INHALATION
If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

SKIN CONTACT
Immediately wash with soap and water. Get medical attention immediately. Remove contaminated clothing and shoes. Wash clothing before reuse. Discard contaminated shoes.

EYE CONTACT
Immediately flush with water for at least 15 minutes. Get medical attention immediately.

INGESTION
Give 1 or 2 glasses of water and call your poison control center, hospital emergency room or physician immediately for instructions. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN
Adrenalin should never be given to a person overexposed to methylene chloride. This formula is registered with POISONDEX. Call your poison control center for further information.

SECTION 6. FIRE FIGHTING MEASURES

HAZARD RATING SOURCE HMIS NFPA
HEALTH 4 4
FLAMMABILITY 1 1
REACTIVITY 0 0
OTHER G NA

FLASH METHOD
Seta

FLASH POINT
N/E F N/E C No flash to boil.

LOWER EXPLOSION LIMIT
12

GENERAL COMMENTS
OSHA FLAMMABILITY: Not Applicable

EXTINGUISHING METHOD
Use carbon dioxide, dry powder, or foam.
SECTION 6. FIRE FIGHTING MEASURES (CONTINUED)

FIRE FIGHTING PROCEDURES
Self-contained respiratory protection should be provided for
fire fighters fighting fires in buildings or confined areas. Storage
containers exposed to fire should be kept cool with water spray to
prevent pressure build-up. Stay away from heads of containers that
have been exposed to intense heat or flame.

FIRE AND EXPLOSION HAZARDS
Contact of liquid or vapor with flame or hot surfaces will produce
toxic gases and a corrosive residue that will cause deterioration of
metal. Do not use under pressurized fluid conditions in systems
having zinc metals or aluminum contact parts to avoid creating
possible hazardous pressure from chemical reactions.

SECTION 7. ACCIDENTAL RELEASE MEASURES

CLEAN-UP
Keep unnecessary people away; isolate hazard area and deny entry.
Stay upwind, out of low areas, and ventilate closed spaces before
entering. Shut off ignition sources; keep flares, smoking or flames
out of hazard area. SMALL SPILLS: take up liquid with sand, earth
or other noncombustible absorbent material and place in a plastic
container where applicable. LARGE SPILLS: dike far ahead of spill
for later disposal.

For transportation related spills contact Chemtrec at 1-800-424-9300
for emergency assistance.

WASTE DISPOSAL
Dispose in accordance with applicable local, state and federal
regulations.

SECTION 8. HANDLING AND STORAGE

STORAGE
Store in a cool, dry place. Exposure to high temperatures or
prolonged exposure to sun may cause can to leak or swell. Once
opened, remover should be used within six months or discarded to
avoid can deterioration. Do not store near flames or at elevated
temperatures.

HANDLING
Read carefully all cautions and directions on product label before
use. Since empty container retains residue, follow all label
warnings even after container is empty. Dispose of empty container
according to all regulations. Do not reuse this container.

SECTION 9. TRANSPORT INFORMATION

TRANSPORTATION
For D.O.T. Information, contact W.M. Barr Technical Services
Department.

VENTILATION PROTECTION
Use only with adequate ventilation to prevent build-up of vapors.
Open all windows and doors. Use only with a cross ventilation of
moving fresh air across the work area. If strong odor is noticed or
you experience slight dizziness, headache, nausea, or eye-watering -
STOP - ventilation is inadequate. Leave area immediately.
SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION
For OSHA controlled workplace and other regular users – Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved self-contained breathing apparatus for chlorinated solvent vapors. A dust mask does not provide protection against vapors.

SKIN PROTECTION
Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

EYE PROTECTION
Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

OTHER PROTECTION
Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE %
95.3 by weight

BOILING POINT
GT 104.00°F  40.00°C  BOILING RANGE: 104°F - 535°F

VAPOR DENSITY (Air = 1.0)
Heavier than air

EVAPORATION RATE
Slower than ether

BULK DENSITY
9.305 lbs/gal at 75°F

pH FACTOR
N/E

PHOTOCHEMICALLY REACTIVE
NO

MAX V.O.C.
157 grams per liter (excluding exempt solvents & water)

MAX VAPOR PRESSURE
(of the V.O.C.) <1mm Hg at 20 degrees C
SECTION 12. STABILITY AND REACTIVITY

INCOMPATIBILITIES
Incompatible with strong oxidizing agents; water; flammable liquids; nitric acid; strong alkalis; nitrogen peroxide; oxygen; organic halides; strong caustics; chemically active metals such as magnesium or aluminum; sodium; and potassium.

DECOMPOSITION
Thermal decomposition may produce carbon dioxide; carbon monoxide; chlorine gas; hydrogen chloride; and small quantities of phosgene.

POLYMERIZATION
Will not occur.

STABILITY
Stable.

SECTION 13. ADDITIONAL INFORMATION

IMPORTANT NOTE
The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

LEGEND:
PPM = parts per million
MG/M3 = milligrams per cubic meter
N/E or NE = none established
GT = greater than
N/A or NA = not applicable
TCC = tag closed cup
TOC = tag open cup
PMCC = Pensky-Martens closed cup
IDLH = Immediately Dangerous to Life and Health

***END OF MSDS***