### MATERIAL SAFETY DATA SHEET

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** GASOLINE, UNLEADED  
**GENERAL USE:** Motor fuel  
**PRODUCT DESCRIPTION:** Blend of petroleum distillates, highly flammable. This MSDS covers multiple grades of lead-free and unleaded fuels: regular, premium, extra and oxygenated.

**MANUFACTURER’S NAME**  
Tesoro Petroleum Companies, Inc.  
**DATE PREPARED:** February 8, 2003  
**ADDRESS (NUMBER, STREET, P.O. BOX):**  
300 Concord Plaza Drive  
San Antonio, TX 78216-6999  
**COUNTRY:** USA  
**DISTRIBUTOR’S NAME:** Same  
**ADDRESS (NUMBER, STREET, P.O. BOX):**  
**COUNTRY:** USA  
**TELEPHONE NUMBER FOR INFORMATION:** Tesoro Call Center (877) 783-7676  
**EMERGENCY TELEPHONE NUMBER:** Chemtrec (800) 424-9300  
**SUPERSEDES:** April 18, 2002

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### SECTION 2 - HAZARDOUS INGREDIENTS

**HAZARDOUS COMPONENTS**  
<table>
<thead>
<tr>
<th>CAS #</th>
<th>% (Sect. 16) (by volume)</th>
<th>OSHA PEL</th>
<th>ACGIH TWA</th>
<th>SARA TITLE III</th>
<th>RQ LBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8006-61-9</td>
<td></td>
<td>100</td>
<td>300</td>
<td>900</td>
<td>300</td>
</tr>
</tbody>
</table>

Contains or may contain:

- **Toluene**, (a,b,c,e,f,g): 108-88-3  
  OSHA PEL: 200  
  ACGIH TWA: 50  
  SARA TITLE III: Yes  
  RQ LBS: 1000

- **Xylene (mixed)**, (a,b,c): 1330-20-7  
  OSHA PEL: 100  
  ACGIH TWA: 435  
  SARA TITLE III: Yes  
  RQ LBS: 1000

- **Pentane**: 109-66-0  
  OSHA PEL: 1000  
  ACGIH TWA: 2950  
  SARA TITLE III: Yes  
  RQ LBS: 600

- **Trimethylbenzenes, mixed isomers (a)**: 25551-13-7  
  OSHA PEL: 25  
  ACGIH TWA: Yes  
  RQ LBS: 1000

- **Benzene**, (a,b,c,d,e,f): 71-43-2  
  OSHA PEL: 1  
  ACGIH TWA: 0.5  
  SARA TITLE III: Yes  
  RQ LBS: 10

- **Butane**: 106-97-8  
  OSHA PEL: 800  
  ACGIH TWA: 1900  
  RQ LBS: 800

- **Ethylbenzene**, (a,c): 100-41-4  
  OSHA PEL: 100  
  ACGIH TWA: 435  
  SARA TITLE III: Yes  
  RQ LBS: 1000

- **Heptane**: 142-82-5  
  OSHA PEL: 500  
  ACGIH TWA: 2000  
  RQ LBS: 400

- **Cyclohexane**, (a,b,c): 110-82-7  
  OSHA PEL: 300  
  ACGIH TWA: 1050  
  SARA TITLE III: Yes  
  RQ LBS: 1000

- **n-Hexane**: 110-54-3  
  OSHA PEL: 500  
  ACGIH TWA: 1800  
  SARA TITLE III: Yes  
  RQ LBS: 176

- **n-Octane**: 111-65-9  
  OSHA PEL: 500  
  ACGIH TWA: 2350  
  SARA TITLE III: Yes  
  RQ LBS: 1400

- **Ethanol**: 64-17-5  
  OSHA PEL: 1000  
  ACGIH TWA: 1900  
  SARA TITLE III: Yes  
  RQ LBS: 1000

- **Naphthalene**, (a,b,c,g): 91-20-3  
  OSHA PEL: 10  
  ACGIH TWA: 50  
  SARA TITLE III: Yes  
  RQ LBS: 100

- **Trimethylbenzene 1,2,4 (a)**: 95-63-6  
  OSHA PEL: 25  
  ACGIH TWA: 125  
  SARA TITLE III: Yes  
  RQ LBS: 1000

- **Isopentane**: 78-78-4  
  OSHA PEL: not established  
  ACGIH TWA:  
  SARA TITLE III:  
  RQ LBS: not established

- **Styrene**, (a,c,d,e,g): 100-42-5  
  OSHA PEL: 100  
  ACGIH TWA: 20  
  SARA TITLE III: Yes  
  RQ LBS: 1000

- **Methyl tert - butyl ether (a)**: 1634-04-4  
  OSHA PEL: 40  
  ACGIH TWA: 144  
  SARA TITLE III: Yes  
  RQ LBS: 1000

- **Ethyl tert - butyl ether**: 637-92-3  
  OSHA PEL: not established  
  ACGIH TWA:  
  SARA TITLE III:  
  RQ LBS: not established

- **Tertiary - Amyl methyl ether**: 994-05-8  
  OSHA PEL: not established  
  ACGIH TWA:  
  SARA TITLE III:  
  RQ LBS: not established

- **Alkanes, Cycloalkanes, Alkenes, Aromatic hydrocarbons**: balance

(a,c) See Section 15

(b) Indicates that the Resource Conservation and Recovery Act (RCRA) has determined the waste for this chemical is listed as hazardous and must be handled according to regulations in 40 CFR 260-281.

(d) Indicates substance appears on National Toxicology Program (NTP) list of carcinogens, International Agency for Research on Cancer (IARC) list of carcinogens or is regulated by the Occupational Safety and Health Administration (OSHA) as a possible carcinogen.

(e) Indicates listing in Table Z - , 29 CFR 1910.1000, one of 25 chemicals with substance - specific requirements; value shown is 8-hour Time Weighted Average. See table for acceptable ceiling concentration limits and acceptable maximum peak above the acceptable ceiling concentration.

(f) California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986, chemicals known to the state to cause cancer or reproductive toxicity. A person in the course of doing business must warn others who may consume, come into contact with, or otherwise be exposed to this chemical.

(g) Product is listed or defined as a marine pollutant in IMDG Code or 49 CFR 172.101 Appendix B, List of Marine Pollutants and must be classified as an Environmentally Hazardous Substance, Class 9, in addition to any other defined hazards for this product.
EMERGENCY OVERVIEW
Bronze to amber colored liquid, extremely flammable, potentially hazardous vapors. Can cause eye and skin irritation upon contact. Inhalation of vapors can cause anesthetic effect leading to death in poorly ventilated areas. Danger Poison! Harmful if swallowed and/or aspirated into the lungs. Hazard symbols for this product - F, XI, XN Risk Phrases - R11 20 36 38.

SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION: High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise. Xylene causes central nervous system effects, anemia, liver and kidney effects, and eye damage after repeated or prolonged exposure to high concentrations.

SKIN: Brief contact may cause slight irritation; prolonged contact may cause moderate irritation or dermatitis. Xylene causes central nervous system effects, anemia, liver and kidney effects, and eye damage after repeated or prolonged exposure to high concentrations.

EYES: High vapor concentration or contact may cause irritation and discomfort.

INGESTION: May result in vomiting; aspiration of vomitus into the lungs must be avoided; DO NOT induce vomiting. Minute amounts aspirated into the lungs can produce severe lung injury, chemical pneumonitis, pulmonary edema or death.

CARCINOGENICITY
Gasoline has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC). Contains chemical(s) known to the State of California to cause cancer. Contains benzene, which has been classified as a carcinogen by the National Toxicology Program (NTP), and a Group 1 carcinogen (carcinogenic to humans) by the International Agency for Research on Cancer (IARC). Contains ethylbenzene which has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek immediate emergency medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Vomiting may be induced only under the supervision of a physician.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) AF ( -42.7º C) TCC
-45° F  ( -42.7º C) TCC

FLAMMABLE LIMITS LEL: 1.3% UEL: 7.6%

AUTOIGNITION TEMPERATURE: 495º F (257º C) NFPA CLASS: 1A

GENERAL HAZARDS: This product presents an extreme fire hazard. Liquid evaporates very quickly, even at low temperatures, and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches.

EXTINGUISHING MEDIA
Carbon dioxide, water fog, dry chemical, chemical foam

FIRE FIGHTING PROCEDURES
Firefighters must wear full facepiece self-contained breathing apparatus in positive pressure mode. Do not use solid stream of water since stream will scatter and spread fire. Fine water spray can be used to keep fire - exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers can explode due to buildup of pressure when exposed to extreme heat. Do not use direct stream of water on pool fires as product may reignite on water surface. Caution - Material is extremely flammable!

HAZARDOUS COMBUSTION PRODUCTS
Smoke, fumes, oxides of carbon
**SECTION 6 - ENVIRONMENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION - EXTREMELY FLAMMABLE - Evacuate and ventilate area; confine and absorb into absorbent; place material into approved containers for disposal; for spills in excess of allowable limits (RQ) notify the National Response Center (800) 424 - 8802; refer to CERCLA 40 CFR 302 and SARA Title III, Section 313 40 CFR 372 for detailed instructions concerning reporting requirements.

**SECTION 7 - HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. CAUTION - EXTREMELY FLAMMABLE - keep away from all sources of ignition. "Empty" containers may contain residue which may form explosive vapors. Do not weld or cut near empty container that has not been professionally reconditioned. Use non-sparking tools when opening and closing containers. Maintain well ventilated work areas to minimize exposure when handling this material. Review all operations which have the potential of generating an accumulation of electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. Improper filling of portable gasoline containers creates danger of fire. Only dispense gasoline into approved and properly labeled gasoline containers. Always place portable containers on the ground. Be sure pump nozzle is in contact with the container while filling. Do not use a nozzle's lock-open device. Do not fill portable containers that are inside a vehicle or truck/trailer bed.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS

The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment. See Section 2 for Component Exposure Guidelines.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Neoprene or nitrile rubber gloves with cuffs.

EYE PROTECTION: Safety goggles with side shields

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyewash nearby

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAPOR PRESSURE (MM Hg)</td>
<td>5 - 15 PSI @ 100° F</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (WATER = 1)</td>
<td>0.700 - 0.800</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>Negligible</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>80 - 430°F (26.6 - 221° C)</td>
</tr>
<tr>
<td>VISCOSITY</td>
<td>Not specified</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAPOR DENSITY (AIR = 1)</td>
<td>3.0 - 4.0</td>
</tr>
<tr>
<td>EVAPORATION RATE (n-Butyl Acetate = 1)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>FREEZING POINT</td>
<td>Not determined</td>
</tr>
<tr>
<td>APPEARANCE AND ODOR</td>
<td>Bronze to amber liquid, characteristic gasoline odor</td>
</tr>
<tr>
<td>PHYSICAL STATE</td>
<td>Liquid</td>
</tr>
<tr>
<td>VOLATILE ORGANIC COMPOUNDS (Total VOC's)</td>
<td>6.25 lbs / gallon</td>
</tr>
</tbody>
</table>

**SECTION 10 - STABILITY AND REACTIVITY**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STABILITY</td>
<td>UNSTABLE: XXX</td>
</tr>
<tr>
<td>INCOMPATIBILITY (MATERIALS TO AVOID): May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.</td>
<td></td>
</tr>
<tr>
<td>HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.</td>
<td></td>
</tr>
<tr>
<td>HAZARDOUS POLYMERIZATION</td>
<td>MAY OCCUR: XXX</td>
</tr>
<tr>
<td>CONDITIONS TO AVOID: None</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONDITIONS TO AVOID:</td>
<td>Extreme temperatures, open flames, sparks</td>
</tr>
</tbody>
</table>

**PRODUCT NAME:** GASOLINE, UNLEADED

February 8, 2003
## SECTION 11 - TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>%</th>
<th>CAS #</th>
<th>LD50 of Ingredient (Species and Route)</th>
<th>LC50 of Ingredient (Species)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gasoline</strong></td>
<td>100</td>
<td>8006-61-9</td>
<td>18.8 ml / kg Oral - rat 20.7 ml / 1 Inhalation - rat</td>
<td></td>
</tr>
<tr>
<td><strong>Contains or may contain:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Toluene (a,b,c,e,f,g)</strong></td>
<td>0 - 35</td>
<td>108-88-3</td>
<td>5000 mg / kg Oral - rat 7525 ppm / 4H</td>
<td></td>
</tr>
<tr>
<td><strong>Xylene (mixed) (a,b,c)</strong></td>
<td>0 - 25</td>
<td>1330-20-7</td>
<td>4300 mg / kg Oral - rat 5000 ppm / 4H Inhalation - rat</td>
<td></td>
</tr>
<tr>
<td><strong>Pentane</strong></td>
<td>0 - 20</td>
<td>109-66-0</td>
<td>Not established 364 gm / m3 / 4H Inhalation-rat</td>
<td></td>
</tr>
<tr>
<td><strong>Trimethylbenzenes, mixed isomers (a)</strong></td>
<td>0 - 4</td>
<td>25551-13-7</td>
<td>Not established Not established</td>
<td></td>
</tr>
<tr>
<td><strong>Benzene (a,b,c,d,e,f)</strong></td>
<td>0 - 5</td>
<td>71-43-2</td>
<td>930 mg / kg Oral - rat 10000 ppm / 7H Inhalation - rat</td>
<td></td>
</tr>
<tr>
<td><strong>Butane</strong></td>
<td>0 - 12</td>
<td>106-97-8</td>
<td>Not established 658 mg / L / 4H Inhalation - rat</td>
<td></td>
</tr>
<tr>
<td><strong>Ethylbenzene (a,c)</strong></td>
<td>0 - 5</td>
<td>100-41-4</td>
<td>3500 mg / kg Oral - rat 4000 ppm/4H(LC5o) Inhalation - rat</td>
<td></td>
</tr>
<tr>
<td><strong>Heptane</strong></td>
<td>0 - 2</td>
<td>142-82-5</td>
<td>Not established 75 gm / m3 / 2H Inhalation - mouse</td>
<td></td>
</tr>
<tr>
<td><strong>Cyclohexane (a,b,c)</strong></td>
<td>0 - 5</td>
<td>110-82-7</td>
<td>813 mg / kg Oral - mouse Not established</td>
<td></td>
</tr>
<tr>
<td><strong>n-Hexane</strong></td>
<td>0 - 8</td>
<td>110-54-3</td>
<td>28710 mg / kg Oral - rat 48000 ppm / 4H Inhalation-rat</td>
<td></td>
</tr>
<tr>
<td><strong>n-Octane</strong></td>
<td>0 - 1</td>
<td>111-65-9</td>
<td>Not established 118 gm / m3 / 4H Inhalation - rat</td>
<td></td>
</tr>
<tr>
<td><strong>Ethanol</strong></td>
<td>0 - 20</td>
<td>64-17-5</td>
<td>3450 mg / kg Oral - mouse 20,000 ppm / 10H Inhalation - rat</td>
<td></td>
</tr>
<tr>
<td><strong>Naphthalene (a,b,c,g)</strong></td>
<td>0 - 1.1</td>
<td>91-20-3</td>
<td>1780 mg / kg Oral - rat Not established</td>
<td></td>
</tr>
<tr>
<td><strong>Trimethylbenzene 1,2,4 (a)</strong></td>
<td>0 - 7</td>
<td>95-63-6</td>
<td>5 gm / kg Oral - rat 18 gm / m3 / 4H Inhalation - rat</td>
<td></td>
</tr>
<tr>
<td><strong>Isopentane</strong></td>
<td>0 - 20</td>
<td>78-78-4</td>
<td>1600 - 3200 mg / kg Oral - rat Not established</td>
<td></td>
</tr>
<tr>
<td><strong>Styrene (a,c,d,e,g)</strong></td>
<td>0 - 4</td>
<td>100-42-5</td>
<td>5000 mg / kg Oral - rat 24000 mg/m3/2H Inhalation - rat</td>
<td></td>
</tr>
<tr>
<td><strong>Methyl tert - butyl ether (a)</strong></td>
<td>0 - 18</td>
<td>1634-04-4</td>
<td>4 gm / kg Oral - rat 23576 ppm / 4H Inhalation - rat</td>
<td></td>
</tr>
<tr>
<td><strong>Ethyl tert - butyl ether</strong></td>
<td>0 - 21</td>
<td>637-92-3</td>
<td>Not established 123 gm / m3 / 15M Inhalation - mouse</td>
<td></td>
</tr>
<tr>
<td><strong>Tertiary - Amyl methyl ether</strong></td>
<td>0 - 20</td>
<td>994-05-8</td>
<td>Not established Not established</td>
<td></td>
</tr>
</tbody>
</table>

## SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant. In general, non-oxygenated gasoline exhibits some short-term toxicity to freshwater and marine organisms, especially under closed vessel or flow-through exposure conditions in the laboratory. The components which are the most prominent in the water soluble fraction and cause aquatic toxicity, are also highly volatile and can be readily biodegraded by microorganisms.

## SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce concentrated hazardous vapors or fumes in a disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for ignitable materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway.
**SECTION 14 - TRANSPORT INFORMATION**

<table>
<thead>
<tr>
<th>PROPER SHIPPING NAME: Gasoline</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD CLASS / Pack Group: 3 / II</td>
</tr>
<tr>
<td>REFERENCE: 49 CFR 173.150, 202, 242</td>
</tr>
<tr>
<td>IDENTIFICATION NUMBER: UN 1203</td>
</tr>
<tr>
<td>LABEL: FLAMMABLE LIQUID</td>
</tr>
<tr>
<td>HAZARD SYMBOLS: R20, R36, R38</td>
</tr>
</tbody>
</table>

**Note:** Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EC, Canadian TDG, and United Nations TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

**SECTION 15 - REGULATORY INFORMATION**

**TSCA (Toxic Substance Control Act)**
Motor gasoline is considered a mixture by EPA under the Toxic Substances Control Act (TSCA). The refinery streams used to blend motor gasoline are all on the TSCA Chemical Substances Inventory. This product may contain methyl tertiary-butyl ether (CAS #1634-04-4) or tert-amyl methyl ether (CAS #994-05-8), both of which are currently undergoing review and testing under TSCA Section 4. Notification to the U.S. EPA Office of Toxic Substances is required prior to export of this material from the United States.

**SARA TITLE III (Superfund Amendments and Reauthorization Act)**
311/312 Hazard Categories
- Immediate (Acute) Health Effects
- Delayed (Chronic) Health Effects
- Fire Hazard

313 Reportable Ingredients:
(a) Indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

**CERCLA (Comprehensive Response Compensation and Liability Act)**
(c) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity or greater amounts, according to 40 CFR 302.

**CPR (Canadian Controlled Products Regulations)**
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

**IDL (Canadian Ingredient Disclosure List)**
Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

**DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)**
Components of this product identified by CAS number are listed on the DSL or NDSL and may or may not be listed in Section 2 of this document. Only ingredients classified as “hazardous” are listed in Section 2 unless otherwise indicated.

**EINECS (European Inventory of Existing Commercial Chemical Substances)**
Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986**
Warning: This product contains a chemical known to the State of California to cause cancer.

**EC Risk Phrases**
- R11 Highly flammable
- R20 Harmful by inhalation
- R36 Irritating to eyes
- R38 Irritating to skin.

**EC Safety Phrases**
- S16 Keep away from sources of ignition
- S23 Do not breathe vapor
- S25 Avoid contact with eyes
- S28 After contact with skin, wash immediately with plenty of soap and water.
- S29 Do not empty into drains
Values stated in "%" column in Section 2 and Section 11 do not reflect absolute minimums and maximums; these values are typical which may vary from time to time.

NFPA HAZARD RATINGS

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>0 = INSIGNIFICANT</th>
<th>3 = HIGH</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABILITY</td>
<td>3 = 1 = SLIGHT</td>
<td>4 = EXTREME</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>0 = MODERATE</td>
<td></td>
</tr>
</tbody>
</table>

PERSONAL PROTECTIVE EQUIPMENT | B | Safety Glasses, Gloves |

REVISION SUMMARY:
This MSDS has been revised in the following sections:
Section 2 - Changes in quantities
Changes in product numbers

MSDS Prepared by:  Chem-Tel, Inc.
1305 N. Florida Ave.
Tampa, Florida  USA  33602
(800) 255-3924 Outside USA (813) 248-0573

DISCLAIMER: The information supplied in this data sheet is obtained from currently available sources, which are believed to be reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THE INFORMATION OR THE RESULTS TO BE OBTAINED FROM ITS USE.
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Product Number(s):

| 05 | 20 | 74 | 133 | 269 | 354 | 1106 |
| 06 | 21 | 76 | 166 | 270 | 516 | 1286 |
| 08 | 25 | 77 | 167 | 281 | 517 | 1088 |
| 09 | 26 | 82 | 181 | 305 | 1037 | 1289 |
| 10 | 51 | 84 | 185 | 326 | 1038 | 1290 |
| 11 | 61 | 85 | 188 | 327 | 1039 | 1326 |
| 12 | 62 | 91 | 190 | 328 | 1040 | |
| 13 | 63 | 95 | 199 | 334 | 1041 | |
| 14 | 64 | 107 | 257 | 335 | 1042 | |
| 15 | 67 | 110 | 265 | 336 | 1043 | |
| 16 | 68 | 112 | 266 | 338 | 1044 | |
| 17 | 69 | 131 | 267 | 339 | 1045 | |
| 19 | 73 | 132 | 268 | 340 | 1098 |