SAFETY DATA SHEET

1. IDENTIFICATION

1.1 Product Identifier
Product Name: Toluene
CAS#: 108-88-3
Synonyms: Toluol; phenylmethane; methylbenzene; benzene, methyl-

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified use(s): This product is intended for use as a refinery feedstock, fuel, or for use in engineered processes. Use in other application may result in higher exposures and require additional controls, such as local exhaust ventilation and person protective equipment.

1.3 Details of the supplier of the safety data sheet
Company Identification: Vitol Inc.
1100 Louisiana St., Suite 550
Houston, Texas 77002
Telephone: (713) 230-1000
Fax: (713) 230-1234
Email: SDSHOU@vitol.com

1.4 Emergency telephone number
Emergency Phone No. (24h): Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification (GHS-US)
Flammable liquids Category 2
Acute toxicity (oral) Category 4
Acute toxicity (inhalation; vapor) Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Germ cell mutagenicity Category 1B
Carcinogenicity Category 1A
Reproductive toxicity Category 2
Specific target organ toxicity (single exposure) Category 3 - Narcotic effects
Specific target organ toxicity (single exposure) Category 3 - Respiratory irritation
Specific target organ toxicity (single exposure) Category 2
Specific target organ toxicity (repeated exposure) Category 1
Aspiration hazard Category 1

GHS-US labeling
SAFETY DATA SHEET

Hazard Pictograms (GHS-US)

Signal word (GHS-US)  Danger
Hazard statements (GHS-US)  Highly flammable liquid and vapor
                          May be fatal if swallowed and enters airways
                          Causes skin irritation
                          Causes serious eye irritation
                          May cause respiratory irritation
                          May cause drowsiness or dizziness
                          May cause genetic defects
                          May cause cancer
                          Suspected of damaging fertility or the unborn child
                          Causes damage to organs (lung)
                          May cause damage to organs (immune system)
                          Causes damage to organs (blood, hematopoietic system
                          [blood forming], kidneys, peripheral nervous system,
                          brain (neurological), nervous system, hearing organ (loss
                          of hearing), visual organ (color vision effects) through
                          prolonged or repeated exposure

Precautionary statements (GHS-US)  Prevention:
                                  Keep away from heat/sparks/open flames/hot surfaces. -
                                  No smoking. Keep container tightly closed. Ground/bond
                                  container and receiving equipment. Use only non-
                                  sparking tools. Take precautionary measures against
                                  static discharges. Wear protective gloves/protective
                                  clothing/eye protection/face protection. Obtain special
                                  instructions before use. Do not handle until all safety
                                  precautions have been read and understood. Do not
                                  breathe dust/fume/gas/mist/vapors/spray. Wash
                                  thoroughly after handling. Use only outdoors or in a well-
                                  ventilated area.
                                  Response:
                                  If on skin (or hair): Take off immediately all contaminated
                                  clothing. Rinse skin with water/shower.
                                  If skin irritation occurs: Get medical advice/attention.
                                  If exposed or concerned: Get medical advice/attention.
                                  If swallowed: Immediately call a poison center/doctor. Do
                                  NOT induce vomiting.
                                  If inhaled: Remove person to fresh air and keep
                                  comfortable for breathing. Call a poison center/doctor
                                  if you feel unwell. Take off contaminated clothing and
                                  wash before reuse.
                                  Storage:
                                  Store in a well-ventilated place. Keep container tightly
                                  closed. Keep cool.
                                  Disposal:
                                  Dispose of contents and container in accordance with all
                                  local, regional, national and international regulations.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>&gt;99</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Get medical attention if irritation develops or persists. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes. If high pressure injection under skin occurs, always seek medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Do not give mouth-to-mouth resuscitation. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

5.1 Flammable properties

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 480°C (896°F)
SAFETY DATA SHEET

Flash Points: CLOSED CUP: 4.4444°C (40°F). (Setaflash) OPEN CUP: 16°C (60.8°F).

Flammable Limits: LOWER: 1.1% UPER: 7.1%

Products of Combustion: These products are carbon oxides (CO, CO2).

5.2 Extinguishing media

Unsuitable extinguishing media: Do not use solid water stream as it may scatter and spread fire.

5.3 Protection for firefighters
Specific hazards arising from the chemical: Vapor may cause flash fire. Vapors can flow along surfaces to distant ignition source and flash back. Sensitive to static discharge.

Protective equipment and precautions for firefighters: Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

5.4 Firefighting equipment/instructions
Wear full protective clothing helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do it without risk. In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Vapors may form explosive air mixtures even at room temperature. Prevent buildup of vapors or gases to explosive concentrations. Some of these materials, if spilled, may evaporate leaving a flammable residue. Water runoff can cause environmental damage. Use compatible foam to minimize vapor generation as needed.

5.5 Specific methods
In the event of fire and/or explosion do not breathe

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fumes. Use water spray to cool unopened containers.

5.6 Hazardous combustion products

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions
Keep unnecessary personnel away. Local authorities should be advised if significant spills cannot be contained. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

6.2 Environmental precautions
If facility or operation has an “oil or hazardous substance contingency plan,” activate its procedures. Stay upwind and away from spill. Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not enter or stay in area unless monitoring indicates that it is safe to do so. Isolate hazard area and restrict entry to emergency crew. Flammable. Review Fire Fighting Measures, Section 5, before proceeding with clean up. Keep all sources of ignition (flames, smoking, flares, etc.) and hot surfaces away from release. Contain spill in smallest possible area. Recover as much product as possible (e.g. by vacuuming). Stop leak if it can be done without risk. Use water spray to disperse vapors. Spilled material may be absorbed by an appropriate absorbent, and then handled in accordance with environmental regulations. Prevent spilled material from entering sewers, storm drains, other unauthorized treatment or drainage systems and natural waterways. Contact fire authorities and appropriate federal, state, and local agencies. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, contact the National Response Center at 1-800-424-8802. For highway or railways spills, contact Chemtrec at 1-800-424-9300.

6.3 Methods for containment
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements, or confined areas.
## 6.4 Methods for cleaning up

Use non-sparking tools and explosion-proof equipment.

**Small Spill:**
Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. This material and its container must be disposed of as hazardous waste.

**Large Spill:**
Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Do not allow material to contaminate ground water system. Should not be released into the environment.

## 6.5 Other information

Clean up in accordance with all applicable regulations.

## 7. HANDLING AND STORAGE

### 7.1 Handling

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

### 7.2 Storage

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational exposure limits

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Material</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene (108-88-3)</td>
<td>STEL</td>
<td>2.5 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.5 ppm</td>
</tr>
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</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
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<th>Type</th>
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</tr>
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<tbody>
<tr>
<td>Toluene (108-88-3)</td>
<td>TWA</td>
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US. OSHA Table Z-2 (29 CFR 1910.1000)

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<thead>
<tr>
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<th>Type</th>
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<tbody>
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<td>STEL</td>
<td>5 ppm</td>
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<tr>
<td></td>
<td>TWA</td>
<td>1 ppm</td>
</tr>
</tbody>
</table>

US. OSHA Table Z-2 (29 CFR 1910.1000)

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<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene (108-88-3)</td>
<td>Ceiling</td>
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<tr>
<td></td>
<td>TWA</td>
<td>200 ppm</td>
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Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

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<thead>
<tr>
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<tbody>
<tr>
<td>Toluene (108-88-3)</td>
<td>STEL</td>
<td>2.5 ppm</td>
</tr>
<tr>
<td></td>
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<td>8 mg/m3</td>
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<tr>
<td></td>
<td>TWA</td>
<td>1.6 mg/m3</td>
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<tr>
<td></td>
<td></td>
<td>0.5 ppm</td>
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</table>

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

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<td>Toluene (108-88-3)</td>
<td>TWA</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>188 mg/g3</td>
</tr>
</tbody>
</table>

Canada. British Columbia OELs (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

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</table>
## SAFETY DATA SHEET

**TWA**  
0.5 ppm

**Canada. British Columbia OELs (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

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**Canada. Ontario OELs. (Ministry of Labor – Control of Exposure to Biological or Chemical Agents)**

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**Canada. Quebec OELs. (Ministry of Labor – Regulation Respecting the Quality of the Work Environment)**

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<tbody>
<tr>
<td>Toluene (108-88-3)</td>
<td>STEL</td>
<td>5 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15.5 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 mg/m3</td>
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<td></td>
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<tr>
<td></td>
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<td>188 mg/m3</td>
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</tbody>
</table>

**Mexico. Occupational Exposure Limit Values**

<table>
<thead>
<tr>
<th>Material</th>
<th>Type</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Toluene (108-88-3)</td>
<td>STEL</td>
<td>5 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.2 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ppm</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

Mexico. Occupational Exposure Limit Values

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<tr>
<td></td>
<td></td>
<td>188 mg/m3</td>
</tr>
</tbody>
</table>

8.2 Exposure controls
8.2.1 Engineering controls

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment.

8.2.2 Personal protection

Eye/face protection:

Wear safety glasses. If splash potential exists, wear full face shield or chemical goggles.

Skin protection:

Wear chemical-resistant, impervious gloves. Full body suit and boots are recommended when handling large volumes or in emergency situations. Flame retardant protective clothing is recommended.

Respiratory protection:

Use properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workplace exposure limits for product or components are exceeded, NIOSH approved equipment should be worn. Proper respirator selection should be determined by adequately trained personnel, based on the contaminants, the degree of potential exposure and published respiratory protection factors. This equipment should be available for nonroutine and emergency use.

General hygiene considerations:

Consult supervisor for special handling instructions. Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Wash hands before breaks and immediately after handling the product. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practice.
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9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state and appearance: Liquid.
Odor: Sweet, pungent, Benzene-like.
Taste: Not available.
Molecular Weight: 92.14 g/mole
Color: Colorless.
pH (1% soln/water): Not applicable.
Boiling Point: 110.6°C (231.1°F)
Melting Point: -95°C (-139°F)
Critical Temperature: 318.6°C (605.5°F)
Specific Gravity: 0.8636 (Water = 1)
Vapor Pressure: 3.8 kPa (@ 25°C)
Vapor Density: 3.1 (Air = 1)
Vatility: Not available.
Odor Threshold: 1.6 ppm
Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.7
Ionicity (in Water): Not available
Dispersion Properties: See solubility in water, diethyl ether, acetone.
Solubility: Soluble in diethyl ether, acetone. Practically insoluble in cold water. Soluble in ethanol, benzene, chloroform, glacial acetic acid, carbon disulfide. Solubility in water: 0.561 g/l @ 25 deg. C.

10. STABILITY & REACTIVITY

10.1 Stability

Stable under normal temperature conditions and recommended use.

10.2 Conditions to avoid

Heat, flames, and sparks, Ignition sources. Contact with incompatible materials. Do not pressurize, cute, melt, braze, solder, drill, grind, or expose empty containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

10.3 Incompatible materials

Strong oxidizing agents. Reducing

10.5 Possibility of hazardous reactions  Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Components</th>
<th>Test Results</th>
</tr>
</thead>
</table>
| Toluene (108-88-3)        | Acute Dermal LD50 Rabbit: 14.1 ml/kg  
|                           | Acute Inhalation LC50 Rat: 49000 mg/g3 4 hours  
|                           | Acute Oral LD50 Rat: 636 mg/kg                                                |

Acute effects  If inhaled, absorbed through skin, or swallowed. Harmful: may cause lung damage if swallowed. Irritating to eyes, respiratory system and skin. In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue, dizziness, and nausea.

Sensitization  This substance may have a potential for sensitization which may provoke an allergic reaction among sensitive individuals.

Chronic effects  Toluene has been reported to decrease immunological responses and cause recordable hearing loss in laboratory animals. Danger of serious damage to health by prolonged exposure. Prolonged or repeated overexposure may cause central nervous system, kidney, liver, and lung damage.

Subchronic effects  Blood disorders may occur after prolonged inhalation, prolonged skin contact and/or ingestion. Liver and kidney damage may occur after prolonged and repeated exposure.

Carcinogenicity

<table>
<thead>
<tr>
<th>ACGIH Carcinogens</th>
<th>IARC Monographs. Overall Evaluation of Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene (CAS 108-88-3)</td>
<td>A4 Not classifiable as a human carcinogen</td>
</tr>
<tr>
<td></td>
<td>3 Not classifiable as to carcinogenicity to humans</td>
</tr>
</tbody>
</table>

Mutagenicity  In in-vivo experiments, toluene changed the number of sister-chromatid exchanges (SCEs) in
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human lymphocytes. Toluene may cause heritable genetic damage.

**Neurological effects**
May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue) and/or damage.

**Reproductive effects**
Toluene: May adversely affect the developing fetus. Avoid exposure to women during early pregnancy. Avoid contact during pregnancy/while nursing.

**Teratogenicity**
Abusive inhalation of toluene ("glue sniffing") has been reported to be associated with birth defects in the offspring of abusers. Symptoms may be delayed.

**12. TOXICOLOGICAL INFORMATION**

**12.1 Ecotoxicological data**

<table>
<thead>
<tr>
<th>Components</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene (108-88-3)</td>
<td>EC50 Water flea (Daphnia magna): 5.46-9.83 mg/l 48 hours</td>
</tr>
<tr>
<td></td>
<td>LC50 Coho salmon, silver salmon (Onchorhynchus kisutch): 5.5 mg/l 96 hours</td>
</tr>
</tbody>
</table>

**12.2 Aquatic toxicity**
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**12.3 Persistence and degradability**
Not available.

**12.4 Bioaccumulation/ Accumulation**
No data available.

**12.5 Partition coefficient (n-octanol/water)**
Not available.

**12.6 Mobility in environmental media**
No data available.

**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste codes**
D001: Waste Flammable material with a flash point <140°F

**13.2 Disposal instructions**
Dispose in accordance with all applicable regulations. Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.
# SAFETY DATA SHEET

## 14. TRANSPORT INFORMATION

### 14.1 DOT

<table>
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<th>Requirement</th>
<th>Information</th>
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<td>UN1294</td>
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<tr>
<td>Proper shipping name:</td>
<td>Toluene</td>
</tr>
<tr>
<td>Hazard class:</td>
<td>3</td>
</tr>
<tr>
<td>Packing group:</td>
<td>II</td>
</tr>
<tr>
<td>Labels required:</td>
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<tr>
<td>Additional information:</td>
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<tr>
<td>Special provisions:</td>
<td>IB2, T4, TP1</td>
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<td>Packaging exceptions:</td>
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### 14.2 IATA

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<tbody>
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### 14.3 IMDG

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<td>1294</td>
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<tr>
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<td>TOLUENE</td>
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<tr>
<td>Hazard class:</td>
<td>3</td>
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<tr>
<td>Packing group: EmS No.:</td>
<td>II</td>
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<tr>
<td></td>
<td>F-E, S-D</td>
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### 14.4 TDG

<table>
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<tr>
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<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic shipping requirements:</td>
<td></td>
</tr>
<tr>
<td>Proper shipping name:</td>
<td>TOLUENE</td>
</tr>
<tr>
<td>Hazard class:</td>
<td>3</td>
</tr>
<tr>
<td>UN number: Packing group:</td>
<td>UN1294</td>
</tr>
<tr>
<td></td>
<td>II</td>
</tr>
</tbody>
</table>

## 15. REGULATORY INFORMATION

### 15.1 US federal regulations

This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200 (OSHA) and 8 CCR 5194 (Cal/OSHA)

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All components are on the U.S. EPA TSCA
Inventory List.

TSCA Section 12(b) Export Notification (20 CFR 707, Subpt. D)
Not regulated.

US EPCRA (SARA Title III) Section 313-Toxic Chemical: De minimis
concentration
Toluene (CAS 108-88-3) 1.0%

US EPCRA (SARA Title III) Section 313-Toxic Chemical: Listed substance
Toluene (CAS 108-88-3) Listed

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)
Toluene: 100

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard-Yes
Delayed Hazard-Yes Fire
Hazard-Yes
Pressure Hazard-No
Reactivity Hazard-No

Section 302 extremely
Hazardous substance (40 CFR 355, Appendix A)
No

Section 311/312 (40 CFR 370)
Yes

Clean Air Act (CAA)
HAPS list
Urban HAPS list

Clean Water Act (CWA) Section
112(r) (40 CFR 68.130)
Hazardous substance
Priority pollutant
Toxic pollutant

Safe Drinking Water Act
(SDWA)
MCLG
MCL

Drug Enforcement Administration Not controlled
(DEA) (21 CFR 1308.11-15)

WHMIS status
Controlled

WHMIS classification
B2-Flammable/Combustible
D2A-Other Toxic Effects-VERY TOXIC D2B-Other
Toxic Effects-TOXIC

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WHMIS labeling

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>China Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)*

15.2 State regulations

WARNING: This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

Toluene (CAS 108-88-3) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Benzene (CAS 71-43-2) Listed.
Toluene (CAS 108-88-3) Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Benzene (CAS 71-43-2) Listed: February 27, 1987 Carcinogen C.

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Benzene (CAS 71-43-2) Listed: December 26, 1997 Developmental toxin
Toluene (CAS 108-88-3) Listed: January 1, 1991 Developmental toxin

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Toluene (CAS 108-88-3) Listed: August 7, 2009 Female reproductive toxin

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US - California Proposition 65 - CRT: Listed date/Male reproductive toxin
Benzene (CAS 71-73-2) Listed: December 26, 1997 Male reproductive toxin

US - Massachusetts RTK - Substance: Listed substance
Toluene (CAS 108-88-3) Listed.

US - New Jersey Community RTK (EHS Survey): Reportable threshold
Toluene (CAS 108-88-3) 500 LBS

US - New Jersey RTK - Substances: Listed substance
Toluene (CAS 108-88-3) Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance
Toluene (CAS 108-88-3) Listed.

US - Pennsylvania RTK - Hazardous Substances: Special hazard
Toluene (CAS 108-88-3) Listed.

16. OTHER INFORMATION

Other information
Note: This Material Safety Data Sheet applies to the listed products and synonym descriptions for Hazard Communication purposes only. Technical Specifications vary greatly depending on the products and are not reflected in this document. Consult specification sheets for technical information.

HMIS® ratings
Health: 2*
Flammability: 3
Physical hazard: 0

NFPA ratings
Health: 2
Flammability: 3
Instability: 0

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