





<b>WHMIS</b>	<b>Protective Clothing</b>	<b>TDG Road / Rail</b>
		
A B-5 D-2B		CONSUMER COMMODITY.



<b>Conditions of Instability</b>	Not available.
<b>Dispersion Properties</b>	See solubility in water.
<b>Solubility</b>	Slightly soluble in water.

**Section 4. Fire and Explosion Data**

<b>The Product is:</b>	Extremely Flammable Aerosol
<b>Auto-ignition Temperature</b>	The lowest known value is 399°C (750.2°F) (Isopropyl alcohol).
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO2) and other irritating gases.
<b>Flash Points</b>	The lowest known value is CLOSED CUP: 6°C (42.8°F). (Tagliabue.). OPEN CUP: 12.78°C (55°F). (Toluene)
<b>Flammable Limits</b>	LOWER: 1% UPPER: 12%
<b>Extinguishing Media</b>	Extremely flammable aerosol, liquid is slightly soluble in water. SMALL FIRE: Use DRY chemicals, CO2, foam or water spray. LARGE FIRE: Use foam or water fog. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion. Self-contained respiratory protection should be provided for firefighters.
<b>Flammability</b>	The flammability of an aerosol by WHMIS definition is determined by its flame-extension or its flashback. The flame-extension of this product is greater than 45 cm. FIRE CODE: Level 3 Aerosol (as per NFPA 30B). Do not use in the presence of open flame or spark. Do not place in hot water or near radiators, stoves or other sources of heat.
<b>Risks of Explosion</b>	Risk of explosion of the product in presence of mechanical impact: Do not subject aerosol cans to impact. Risk of explosion of the product in the presence of static discharge: Vapours of this product may form a flammable/explosive mixture with air in enclosed areas when vapours present are between the lower (1%) and upper (12%) flammable limits and come into contact with open flames, sparks or static discharge. Do NOT expose aerosol containers to open flames, heat or ignition sources. Container may explode if heated.

**Section 5. Reactivity**

<b>Stability</b>	The product is stable.
<b>Hazardous Decomposition Products</b>	These products are carbon oxides (CO, CO2) and other irritating gases.
<b>Degradability</b>	Not available.
<b>Products of Degradation</b>	Not available. Not available.
<b>Corrosivity</b>	No specific information is available in our database regarding the corrosivity of this product in presence of various materials.
<b>Reactivity</b>	Avoid contact with strong oxidizing agents, strong acids and strong alkalies Keep away from heat, sparks, open flame and all possible ignition sources..
<b>Instability Temperature</b>	Not available.
<b>Conditions of Instability</b>	Not available.


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## Section 6. Toxicological Properties

<b>Routes of Entry</b>	Inhalation. Ingestion. Skin contact. Eye contact.
<b>TLV</b>	<p><b>Xylene</b> TWA: 100 CEIL: 150 (ppm) from ACGIH TWA: 435 CEIL: 655 (mg/m<sup>3</sup>)</p> <p><b>Toluene</b> TWA: 50 CEIL: 150 (ppm) TWA: 375 CEIL: 560 (mg/m<sup>3</sup>)</p> <p><b>Diacetone alcohol</b> TWA: 50 CEIL: 75 (ppm) TWA: 240 CEIL: 360 (mg/m<sup>3</sup>)</p> <p><b>Isopropyl alcohol</b> TWA: 400 CEIL: 500 (ppm) from ACGIH [1993] TWA: 980 CEIL: 1225 (mg/m<sup>3</sup>)</p> <p><b>Liquefied petroleum gas</b> TWA: 1000 CEIL: 1250 (ppm) TWA: 1800 CEIL: 2250 (mg/m<sup>3</sup>)</p> <p>Consult local authorities for acceptable exposure limits.</p>
<b>Toxicity to Animals</b>	<p><b>WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.</b></p> <p>Acute oral toxicity (LD50): 4300 mg/kg [Rat]. (Xylene). Acute oral toxicity (LD50): 5000 mg/kg [Rat]. (Toluene). Acute oral toxicity (LD50): 3959 mg/kg [Mouse]. (Diacetone Alcohol). Acute oral toxicity (LD50): 3600 mg/kg [Mouse]. (Isopropyl alcohol). Acute toxicity of the vapor (LC50): 5000 ppm (Rat) (Xylene). Acute toxicity of the vapor (LC50): &gt; 5000 ppm 4 hour(s) [Rat]. (Toluene). Acute toxicity of the vapor (LC50): &gt; 5000 ppm 4 hour(s) [Rat]. (Isopropyl alcohol).</p>
<b>Chronic Effects on Humans</b>	Prolonged or repeated skin contact may lead to dermatitis.
<b>Acute Effects on Humans</b>	<p><b>EYE CONTACT:</b> May cause moderate irritation, redness and tearing. This product is an eye irritant.</p> <p><b>SKIN CONTACT:</b> May cause irritation, defatting, drying and cracking of skin. Prolonged and repeated contact may lead to dermatitis.</p> <p><b>INHALATION:</b> Vapours may irritating to nose, throat and respiratory tract. Excessive inhalation of vapours may cause Central Nervous System effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.</p> <p><b>INGESTION:</b> May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal.</p> <p>Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.</p>
<b>Synergetic Products (Toxicologically)</b>	Not available.
<b>Irritation/Corrosivity</b>	Not available.
<b>Sensitization</b>	Not available.
<b>Carcinogenic Effects</b>	Not available.
<b>Toxic Effects on Reproduction</b>	Not available.
<b>Teratogenic Effects</b>	Not available.
<b>Mutagenic Effects</b>	Not available.



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**Section 7. Preventive Measures**

<b>Small Spill and Leak</b>	Ventilate area and eliminate all sources of ignition. Keep away from heat. Absorb with an inert DRY material and place in an appropriate waste disposal container. It is recommended that safety glasses and chemical resistant gloves be worn to clean up spills.
<b>Personal Protective Equipment</b>	Safety glasses and chemical resistant gloves. <div style="float: right; border: 1px solid black; padding: 5px; text-align: center;">  </div>
<b>Large Spill and Leak</b>	Not applicable for aerosol containers.
<b>Protective Clothing</b>	Not applicable for aerosol containers.
<b>Engineering Controls</b>	Use under well-ventilated conditions.
<b>Precautions</b>	Contents under pressure. Container may explode if heated. Direct inhalation of spray may be harmful. Keep out of reach of children.
<b>Storage</b>	Store in a cool, dry place. Do not place in hot water or near radiators, stoves or other sources of heat. Do not puncture or incinerate container or store at temperatures over 50°C or in direct sunlight.
<b>Handling</b>	Do not use in the presence of open flame, sparks or ignition sources. Keep away from heat. Avoid breathing vapours or spray mists. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
<b>Waste Disposal</b>	Recycle to process, if possible. Consult your local or regional authorities. Do not dispose in sewers. When container is empty, press button to release all pressure, then dispose of in garbage can.
<b>Special Shipping Information</b>	None.

**Section 8. First Aid**

<b>Eye Contact</b>	Immediately flush eyes with plenty of running water for at least 15 minutes, lifting upper and lower lids, occasionally. If irritation develops or persists, call a doctor.
<b>Skin Contact</b>	Wash thoroughly with soap and water. If irritation develops, call a doctor. Remove contaminated clothing and wash before reuse.
<b>Hazardous Skin Contact</b>	No additional information.
<b>Slight Inhalation</b>	Remove affected person to fresh air. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Get medical attention.
<b>Hazardous Inhalation</b>	No additional information.
<b>Slight Ingestion</b>	If swallowed, call physician or poison control centre immediately. DO NOT induce vomiting. Rinse mouth with water. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis which can be fatal.
<b>Hazardous Ingestion</b>	No additional information.

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**Section 9. MSDS Preparation**

References Not available.

No additional remark.

Validated by Regulatory Affairs Dept. on 4/10/2003.

Verified by Regulatory Affairs Dept..

Printed 4/10/2003.

**Emergency Phone: (905) 677-1948**

Responsible  
Name/  
Telephone No.

**Classification**

TDG Road / Rail CONSUMER COMMODITY.

Not applicable.

WHMIS  
 WHMIS CLASS A: Compressed gas.  
 WHMIS CLASS B-5: Flammable aerosol.  
 WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).



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