

# Material Safety Data Sheet

WHMIS	Protective Clothing	TDG Road/Rail
		

## SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product name:	Surface Spray Deodorant Disinfectant (71702)	Effective Date:	1/1/2013	Code No.:	601
Product use:	Deodorizer Disinfectant.				
WHMIS:	Not controlled under WHMIS (Canada). This product is regulated by the Pest Control Products Act, Agriculture Canada.				
DIN:	DIN #02004259				
TDG:	CONSUMER COMMODITY.				
	Not applicable.				
Manufacturer:		Supplier:			
	Lawrason's Inc. 460 Wyecroft Road Oakville, ON, L6K 2G7 Tel: (905) 842-8300 Fax: (905) 842-8906				

**EMERGENCY PHONE : CANUTEC (613) 996-6666**

## SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Wt%	ACGIH-TLV	LC <sub>50</sub> /LD <sub>50</sub>
1) Ethanol	64-17-5	30-60	TWA: 1000 (ppm) from ACGIH (ppm) (ppm)	ORAL (LD <sub>50</sub> ) mg/kg: Acute: 7060 (Rat.). 3450 (Mouse). 6300 (Rabbit). VAPOR (LC <sub>50</sub> ) ppm : Acute: 8000 (Rat.) (4 hour(s)).
2) Propylene glycol monomethyl ether	107-98-2	1-5	TWA: 100 (ppm)	ORAL (LD <sub>50</sub> ) mg/kg: Acute: 5660 (Rat.). DERMAL (LD <sub>50</sub> ) mg/kg: Acute: 13000 (Rabbit.).
3) Liquefied petroleum gas	68476-85-7	10-30	Not available.	Not available.

## SECTION III - PHYSICAL DATA

Boiling point:	78.5°C (173.3°F)	Specific Gravity:	0.84 (Water = 1)
Vapour Pressure:	40.28 mm of Hg (@ 20°C)	Vapor Density:	The highest known value is 3.12 (Air = 1) (Propylene glycol monomethyl ether). Weighted average: 1.69 (Air = 1)
Solubility in Water:	Soluble	Percent Volatile:	Not available.
Physical State:	Liquid.	Evaporation Rate:	>1
Appearance and Odour:	Clear Perfumed	pH (as supplied):	9.9 - 10.30
		Viscosity:	Not available.

## SECTION IV - FIRE AND EXPLOSION DATA

Flammability:	Flammable. Aerosol The flammability of an aerosol by WHMIS definition is determined by its flame extension or its flashback. The flame extension of this product is 0 -15 cm. Canadian NFC, Level 2. Flammable in presence of open flames, sparks and excessive amounts of heat.
Flash Points:	CLOSED CUP: 12.78°C (55°F).
Flammable Limits:	LOWER: 1.5% UPPER: 19%
Hazardous Combustion Products:	These products are carbon oxides (CO, CO <sub>2</sub> ).
Means of Extinction:	Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemicals, CO <sub>2</sub> , alcohol foam or water spray. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Self-contained respiratory protection should be provided for firefighters.

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<b>Special Fire Hazards:</b>	Risks 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: Aerosol spray may be sensitive to static discharge due to flammable concentrate and flammable propellant. Vapor forms explosive mixture with air between upper and lower flammable limits. Vapour may travel considerable distance to source of ignition and flash back. Do not expose aerosol containers to open flames, heat or ignition sources.
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## SECTION V - REACTIVITY DATA

<b>Stability:</b>	The product is stable.
<b>Incompatibility:</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>Hazardous Decomposition Products:</b>	Not available.

## SECTION VI - TOXICOLOGICAL PROPERTIES

<b>Routes of Entry</b>	Eye contact. Ingestion. Skin contact. Inhalation.
<b>Acute Effects on Humans:</b>	EYE CONTACT: This product is a severe eye irritant. May cause mild to moderate conjunctivitis, seen mainly as redness of the conjunctiva. SKIN CONTACT: May cause moderate to severe irritation, defatting, drying and cracking of skin. INHALATION: Excessive inhalation of vapours may cause nasal and respiratory irritation and Central Nervous System effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. INGESTION: May also cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, euphoria, abdominal discomfort, lack of coordination and coma. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.
<b>Chronic Effects on Humans:</b>	CARCINOGENIC EFFECTS The ingredients of this product have not been listed as carcinogens by the National Toxicology Program (NTP) MUTAGENIC EFFECTS Not available. TERATOGENIC EFFECTS Not available. Toxicity of the product to the reproductive system: Not available.
<b>Synergistic Materials:</b>	Not available.

## SECTION VII - PREVENTIVE MEASURES

<b>Gloves:</b>	
<b>Eye Protection:</b>	
<b>Respiratory Protection:</b>	
<b>Other Protective Equipment:</b>	Not applicable. aerosol containers
<b>Engineering Controls:</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Leak and Spill Procedure:</b>	Ventilate area. Eliminate all sources of ignition. Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. Not applicable for aerosol containers.
<b>Waste Disposal:</b>	Recycle, 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>Storage Requirements:</b>	Keep in a cool, well-ventilated place. Keep away from heat, sparks and flame. Keep away from sources of ignition. Do not puncture, incinerate, store the container at temperatures above 50°C (122°F) or in direct sunlight.

## SECTION VIII - FIRST AID

<b>Eye:</b>	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
<b>Skin:</b>	Wash contaminated skin with soap and water. If irritation persists, seek medical attention. Remove contaminated clothing and wash before reuse.
<b>Inhalation:</b>	Remove to fresh air. Oxygen may be administered if breathing is difficult. If the victim is not breathing, perform mouth-to-mouth resuscitation. Keep person warm, quiet and get medical attention
<b>Ingestion:</b>	DO NOT induce vomiting. NEVER give an unconscious person anything to ingest. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.

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## SECTION IX - OTHER INFORMATION

**References** Not available.

**Additional remarks:** No additional remark.

Validated by Lawrason's Inc on 1/1/2013.

Verified by Lawrason's Inc.

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