

Material Safety Data Sheet

WHMIS 	Protective Clothing 	TDG Road / Rail
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Section 1. Product Identification and Uses			
Product Name	FRAGRANT ORANGE AEROSOL	CI#	Not applicable.
Synonyms		DSL	Not available.
Chemical Name	Not applicable.	CAS #	Not applicable.
Chemical Formula	Chemical mixture.	Code	1834-09-199/1834-09-198
Chemical Family	Various hydrocarbons.	Molecular Weight	Not applicable.
Supplier	Maunco 270 Adam Street, Belleville, Ontario K8N 5S3 PHONE: (613) 962-0437	Manufacturer	Manufactured for: Royalpak
Material Uses	Odour counteractant & air freshener.		

Section 2. Hazardous Ingredients			
Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀
1) D'Limonene	5989-27-5	30-60	ORAL (LD50): Acute: 4400 mg/kg [Rat].
2) Ethanol	64-17-5	10-30	ORAL (LD50): Acute: 7060 mg/kg [Rat.]. 3450 mg/kg [Mouse]. 6300 mg/kg [Rabbit]. VAPOR (LC50): Acute: 31623 ppm 4 hour(s) [Rat.].
3) Propylene glycol	57-55-6	1-5	ORAL (LD50): Acute: 20000 mg/kg [Rat.]. DERMAL (LD50): Acute: 20800 mg/kg [Rat.].
4) Liquefied petroleum gas	68476-85-7	15-40	Not available.

Section 3. Physical Data			
Physical State and Appearance	Liquid (Aerosol Concentrate).	Odor	Citrus.
pH (1% Soln/Water)	Not applicable.	Taste	Not available.
Odor Threshold	Not available.	Color	Clear light yellow.
Volatility	Not available.		
Evaporation Rate	1.7 based on data for: Ethanol. [Butyl acetate=1.]		
Melting Point	Not available.		
Boiling Point	The lowest known value is 75°C (167°F) (Ethanol).		
Density	0.820 - 0.850 @ 20°C (68°F) (Water = 1)		
Vapor Density	Greater than 1 (Air = 1)		
Vapor Pressure	Not available.		
LogK_{ow}	Not available.		
Ionicity (Surface Active Agent)	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Conditions of Instability	Not available.		
Dispersion Properties	See solubility in water.		
Solubility	Miscible in water.		

Continued on Next Page

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

Section 4. Fire and Explosion Data

The Product is:	Extremely Flammable Aerosol
Auto-ignition Temperature	422°C (791.6°F) based on data for: Ethanol.
Products of Combustion	These products are carbon monoxide, carbon dioxide and other irritating gases.
Flash Points	The lowest known value is CLOSED CUP: 13°C (55.4°F). (Ethanol).
Flammable Limits	LOWER: 0.7% UPPER: 19%
Extinguishing Media	SMALL FIRE: Use DRY chemicals, carbon dioxide or foam. LARGE FIRE: Use foam or water fog. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion. Avoid spreading burning liquid with water used to cool containers. Self-contained respiratory protection should be provided for firefighters.
Flammability	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 radiator, stove or other sources of heat.
Risks of Explosion	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. Vapours of this product may form a flammable/explosive mixture when vapours present are between the lower (0.7%) and upper (19%) 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

Stability	The product is stable.
Hazardous Decomposition Products	These products are carbon oxides (CO, CO ₂) and other irritating gases.
Degradability	Not available.
Products of Degradation	Not available. Not available.
Corrosivity	No specific information is available in our data base regarding the corrosivity of this product in presence of various materials.
Reactivity	Avoid contact with strong oxidizing agents, strong acids, strong alkalies and iodine pentafluoride. Keep away from heat, sparks, open flame and all possible ignition sources.
Instability Temperature	Not available.
Conditions of Instability	Not available.

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

Section 6. Toxicological Properties

Routes of Entry	Ingestion. Inhalation. Eye contact. Skin contact.
TLV	<p>Ethanol TWA: 1000 (ppm) from ACGIH</p> <p>Liquefied petroleum gas TWA: 1000 CEIL: 1250 (ppm) TWA: 1800 CEIL: 2250 (mg/m³)</p> <p>Consult local authorities for acceptable exposure limits.</p>
Toxicity to Animals	<p>WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.</p> <p>Acute oral toxicity (LD50): 4400 mg/kg [Rat] (D-Limonene). Acute oral toxicity (LD50): 3450 mg/kg [Mouse] (Ethanol). Acute oral toxicity (LD50): 20,000 mg/kg [Rat] (Propylene glycol). Acute toxicity of the vapor (LC50): 31623 ppm [Rat] (Ethanol).</p>
Chronic Effects on Humans	Prolonged or repeated skin contact may lead to dermatitis.
Acute Effects on Humans	<p>EYE CONTACT: May cause irritation, redness, tearing and pain.</p> <p>SKIN CONTACT: May cause irritation, defatting, drying and cracking of skin.</p> <p>INHALATION: Vapours may be 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>INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis, which can be fatal.</p> <p>Can be fatal if inhaled or ingested. This product may be irritating to the eyes, nose, skin and respiratory tract.</p>
Synergetic Products (Toxicologically)	Not available.
Irritation/Corrosivity	See acute effects on humans.
Sensitization	Not available.
Carcinogenic Effects	Not available.
Toxic Effects on Reproduction	Not available.
Teratogenic Effects	Not available.
Mutagenic Effects	Not available.

Section 7. Preventive Measures

Small Spill and Leak	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.
Personal Protective Equipment	Recommend safety glasses.
Large Spill and Leak	Not applicable for aerosol containers.
Protective Clothing	Not applicable for aerosol containers.
Engineering Controls	Use with adequate ventilation.
Precautions	Contents under pressure. Container may explode if heated. Keep out of reach of children.



Continued on Next Page

WHMIS  A B-5 D-2B	Protective Clothing 	TDG Road / Rail CONSUMER COMMODITY.
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Storage	Store in a cool, dry place. Do not place in hot water or near radiator, stove or other sources of heat. Do not puncture or incinerate container or store at temperatures over 50°C or in direct sunlight.
Handling	Do not use in the presence of open flame, sparks or other sources of ignition. 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.
Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities. When container is empty, press button to release all pressure, then dispose of in garbage can. Do not puncture or incinerate container.
Special Shipping Information	None.

Section 8. First Aid	
Eye Contact	Flush eyes with plenty of running water for at least 15 minutes, lifting upper and lower lids, occasionally. If irritation persists, get medical attention.
Skin Contact	Wash with soap and water. If irritation persists, get medical attention. Remove contaminated clothing and wash before reuse.
Hazardous Skin Contact	No additional information.
Slight Inhalation	Remove affected person to fresh air. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Get medical attention.
Hazardous Inhalation	No additional information.
Slight Ingestion	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.
Hazardous Ingestion	No additional information.


Section 9. MSDS Preparation	
References	Not available.
No additional remark.	
Validated by Regulatory Affairs Dept. on 04-03-2016.	Verified by Regulatory Affairs Dept..
	Printed 04-03-2016.


Emergency Phone: CANUTEC 613-996-6666

Responsible Name/ Telephone No.

Classification

TDG Road / Rail	CONSUMER COMMODITY.	
	Not applicable.	

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

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