

# Material Safety Data Sheet

<b>WHMIS</b> 	<b>Protective Clothing</b>	<b>TDG Road/Rail</b> 
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## SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

<b>Product name:</b>	ATTACK (71758)	<b>Effective Date:</b>	1/1/2015	<b>Code No.:</b>	615JR
<b>Product use:</b>	Odour counteractant & air freshener.				
<b>WHMIS:</b>	CLASS A: Compressed gas. CLASS B-5: Flammable aerosol. CLASS D-2B: Material causing other toxic effects (TOXIC).				
<b>TDG:</b>	Consumer Commodity / Limited Quantity Not applicable.				
<b>Manufacturer:</b>			<b>Supplier:</b>		
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## SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Wt%	ACGIH-TLV	LC <sub>50</sub> /LD <sub>50</sub>
1) D'LIMONENE	5989-27-5	15-40	Not available.	ORAL (LD50): Acute: 4400 mg/kg [Rat]. 5600 mg/kg [Mouse].
2) Ethanol	64-17-5	7-13	Not available.	ORAL (LD50): Acute: 7060 mg/kg [Rat.]. 3450 mg/kg [Mouse]. 6300 mg/kg [Rabbit]. VAPOR (LC50): Acute: 20000 ppm 8 hours [Rat].
3) Liquefied petroleum gas	68476-85-7	30-60	Not available.	Not available.

## SECTION III - PHYSICAL DATA

<b>Boiling point:</b>	75°C (167°F)	<b>Specific Gravity:</b>	0.856 (Water = 1)
<b>Vapour Pressure:</b>	1.4 kPa (@ 20°C)	<b>Vapor Density:</b>	1.59 (Air = 1)
<b>Solubility in Water:</b>	Miscible in water.	<b>Percent Volatile:</b>	Not available.
<b>Physical State:</b>	Liquid.	<b>Evaporation Rate:</b>	1.7
<b>Appearance and Odour:</b>	Pale Yellow. Orange Citrus	<b>pH (as supplied):</b>	Neutral.
		<b>Viscosity:</b>	Not available.

## SECTION IV - FIRE AND EXPLOSION DATA

<b>Flammability:</b>	Flammable. Aerosol. Highly flammable in presence of open flames, sparks and excessive amounts of heat. Slightly flammable to flammable in presence of oxidizing materials. 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. Canadian NFC, Level 3.
<b>Flash Points:</b>	CLOSED CUP: 16°C (60.8°F). (Tagliabue.)
<b>Flammable Limits:</b>	LOWER: 0.7% UPPER: 19%
<b>Hazardous Combustion Products:</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Means of Extinction:</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
<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. Vapours of this product may form a flammable/explosive mixture when vapours present are between the lower and upper 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.

**SECTION V - REACTIVITY DATA**

<b>Stability:</b>	The product is stable.
<b>Incompatibility:</b>	Reactive with oxidizing agents. Slightly reactive to reactive with acids.
<b>Hazardous Decomposition Products:</b>	Not available.

**SECTION VI - TOXICOLOGICAL PROPERTIES**

<b>Routes of Entry</b>	Dermal contact. Eye contact.
<b>Acute Effects on Humans:</b>	Very hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant). Hazardous in case of skin contact (permeator). Slightly hazardous in case of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
<b>Chronic Effects on Humans:</b>	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Non-corrosive for skin. <b>CARCINOGENIC EFFECTS:</b> Classified NONE [D'LIMONENE]. Classified A4 (Not classifiable for human or animal.) by ACGIH [Ethanol]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Ethanol]. The substance is toxic to the reproductive system. Repeated or prolonged exposure to the substance can produce target organs damage.
<b>Synergistic Materials:</b>	Not available.

**SECTION VII - PREVENTIVE MEASURES**

<b>Gloves:</b>	Gloves not required
<b>Eye Protection:</b>	Eye Protection not normally required when used as directed.
<b>Respiratory Protection:</b>	Not normally required when used as directed.
<b>Other Protective Equipment:</b>	Not applicable for 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>	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 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>Storage Requirements:</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.

**SECTION VIII - FIRST AID**

<b>Eye:</b>	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. Get medical attention immediately.
<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>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting. NEVER give an unconscious person anything to ingest. Loosen tight clothing such as a collar, tie, belt or waistband. Get immediate medical attention.

**SECTION IX - OTHER INFORMATION**

<b>References</b>	Not available.
<b>Additional remarks:</b>	Not available.

Validated by Technical Manager, Lawrason's Inc on 1/1/2015.	Verified by Lawrason's Inc.
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