

Material Safety Data Sheet

WHMIS	Protective Clothing	TDG Road / Rail
		

Section I. Product Identification and Uses

Product Name	Rust Inhibitor Aerosol -1054	CI#	Not available.
Synonyms	Rust Inhibitor (1054)	DSL	Not available.
Chemical Name	Not applicable.	CAS #	Not applicable.
Chemical Formula	Chemical mixture.	Code	1054
Chemical Family	Hydrocarbons.	Molecular Weight	Not applicable.
Supplier	Rust Check Corporation 6175 Danville Road, Mississauga, Ontario L5T 2H7 (905) 670-5411	Emergency Number	CANUTEC (24 HR) (613)996-6666
Material Uses	Multi-purpose rust inhibitor and lubricant.		

Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀
1) Petroleum Distillates, Light	8052-41-3	1-5	INHALE (LD ₅₀) ppm/kg: Acute: >1400 (Rat).
2) Petroleum Distillates, Heavy	8008-20-6 64742-81-0	3-7	ORAL (LD ₅₀) mg/kg: Acute: >5000 (Rat).
3) Petroleum Distillates, Heavy	64742-54-7 64742-52-5	3-7	Not available.
4) Petroleum Distillates, Light	64742-53-6	3-7	Not available.
5) Propane	74-98-6	5-15	Not available.
6) Isobutane	75-28-5	5-10	GAS (LC ₅₀): Acute: 142500 ppm 4 hour(s) [Rat].

Section 3. Physical Data

Physical State and Appearance	Liquid (Aerosol Concentrate).	Odor	Characteristic.
pH (1% Soln/Water)	Aerosol Portion: Not applicable. Liquid Portion: Not available.	Taste	Not available.
Odor Threshold	Propane: 22,000 mg/m ³	Color	Red.
Volatility	Not available.		
Evaporation Rate	Aerosol Portion: faster than butyl acetate; immediate at temperatures above -35°C. Liquid Portion: slower than butyl acetate.		
Melting Point	Not available.		
Boiling Point	Aerosol Portion: -42.1 to -0.5°C. Liquid Portion: Not available.		
Density	0.850 - 0.875 @ 20°C (Water = 1).		
Vapor Density	Greater than 1.0 (Air = 1.0)		
Vapor Pressure	The highest known value is 7 mm of Hg (@ 20°C) (Petroleum distillate).		
LogK _{ow}	Not available.		
Ionicity (Surface Active Agent)	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		

Continued on Next Page

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

Conditions of Instability No additional remark.

Dispersion Properties Not available.

Solubility Not available.

Section 4. Fire and Explosion Data

The Product is: Extremely Flammable Aerosol

Auto-ignition Temperature Not available.

Products of Combustion These products are carbon oxides (CO, CO₂), sulfur and other irritating gases.

Flash Points Not available.

Flammable Limits Not available.

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 radiators, stoves or other sources of heat.

Risks of Explosion 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: 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 with air in enclosed areas 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, CO₂), sulfur and other irritating gases.

Degradability Not available.

Products of Degradation Not available.
Not available.

Corrosivity No specific information is available in our database regarding the corrosivity of this product in presence of various materials.

Reactivity Avoid contact with strong oxidizing agents, strong acids and strong alkalies.
Keep away from heat, sparks, open flame and all possible ignition sources.

Instability Temperature Not available.

Conditions of Instability No additional remark.

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

Section 6. Toxicological Properties

Routes of Entry	Ingestion. Inhalation. Skin contact. Eye contact.
TLV	<p>Petroleum distillate TWA: 300 (ppm) from ACGIH (TLV)</p> <p>Propane Simple asphyxiant.</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): >8000 mg/kg [Rat]. (Petroleum distillate).</p> <p>Acute toxicity of the gas (LC50): 142500 ppm 4 hour(s) [Rat]. (Isobutane).</p> <p>Acute toxicity of the vapor (LC50): >5900 ppm 4 hour(s) [Rat]. (Petroleum distillate).</p>
Chronic Effects on Humans	Prolonged or repeated skin contact may lead to dermatitis.
Acute Effects on Humans	<p>EYE CONTACT: May cause redness.</p> <p>SKIN CONTACT: Prolonged or repeated contact may cause irritation.</p> <p>INHALATION: May cause chemical pneumonitis if sprayed and mist is inhaled into lungs.</p> <p>INGESTION: 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>
Synergistic Products (Toxicologically)	Not available.
Irritation/Corrosivity	Not available.
Sensitization	None known.
Carcinogenic Effects	No ingredients listed as carcinogens by IARC OR ACGIH.
Toxic Effects on Reproduction	DEVELOPMENTAL TOXICITY: Not available.
Teratogenic Effects	TERATOGENIC EFFECTS: Not available.
Mutagenic Effects	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, chemical resistant gloves and NIOSH Approved respirator for organic mists and vapours.
Large Spill and Leak	Not applicable for aerosol containers.
Protective Clothing	Not applicable for aerosol containers.
Engineering Controls	Use under well-ventilated conditions.
Precautions	Contents under pressure. Container may explode if heated. Direct inhalation of spray may be harmful. Keep out of reach of children.
Storage	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.



WHMIS	Protective Clothing	TDG Road / Rail
A B-5 D-2B	CONSUMER COMMODITY.	
Handling	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.	
Waste Disposal	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.	
Special Shipping Information	Not available.	

Section 8. First Aid

Eye Contact	Flush eyes with plenty of running water for at least 15 minutes, lifting upper and lower lids, occasionally. Get medical attention.
Skin Contact	Wash thoroughly 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 March 31, 2012	

Emergency Phone: (905) 670-5411 , (613)996-6666 , 1-800-265-0790

**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).	

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

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