Material Safety Data Sheet

WHMIS	Protective Clothing	TDG Road / Rail
		

Section I. Product Identification and Uses

Product Name	**Rust Converter 11006**
Synonyms	Not available.
Chemical Name	Not applicable.
Chemical Formula	Chemical mixture.
Chemical Family	Various hydrocarbons.
Supplier	Rust Check Corp. 6175 Danville Road, Mississauga, Ontario L5T 2H7 PHONE: (905) 670-5411
Material Uses	Rust converter spray.

CI#	Not available.
DSL	Not available.
CAS #	Not applicable.
Code	11006
Molecular Weight	Not applicable.
Emergency Number	**CANUTEC (24 HR)** (613)996-6666

Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	LC_{50}/LD_{50}
1) Acetone	67-64-1	30-60	ORAL (LD50): Acute: 9750 mg/kg [Rat]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit].
2) Ethyleneglycol monobutyl ether	111-76-2	5-10	ORAL (LD50): Acute: 470 mg/kg [Rat]. 300 mg/kg [Rabbit].
3) Dibutyl phthalate	84-74-2	1-5	ORAL (LD50): Acute: 8000 mg/kg [Rat]. DERMAL (LD50): Acute: 25000 mg/kg [Rabbit].
4) Dimethyl ether	115-10-6	15-40	Not available.

Section 3. Physical Data

Physical State and Appearance	Liquid (Aerosol Concentrate).
pH (1% Soln/Water)	4.0 - 4.40 @ 20°C (100% Solution).
Odor Threshold	The highest known value is 0.1 ppm (Ethyleneglycol monobutyl ether)

Odor	Characteristic.
Taste	Not available.
Color	Clear Pale Yellow

Volatility	Not available.
Evaporation Rate	The highest known value is 14.4 (Acetone) Weighted average: 9.99compared to Butyl acetate.
Melting Point	Not available.
Boiling Point	The lowest known value is 56°C (132.8°F) (Acetone). Weighted average: 91.45°C (196.6°F)
Density	0.840 - 0.850 @ 20°C (Water = 1)
Vapor Density	The highest known value is 4.07 (Air = 1) (Ethyleneglycol monobutyl ether). Weighted average: 2.64 (Air = 1)
Vapor Pressure	The highest known value is 24 kPa (@ 20°C) (Acetone). Weighted average: 16.65 kPa (@ 20°C)
$LogK_{ow}$	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	Easily soluble in cold water.

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Section 4. Fire and Explosion Data

The Product is:	Extremely Flammable Aerosol
Auto-ignition Temperature	The lowest known value is 244°C (471.2°F) (Ethyleneglycol monobutyl ether).
Products of Combustion	These products are carbon oxides (CO, CO2) and other irritating gases.
Flash Points	The lowest known value is CLOSED CUP: -17.8°C (0°F). (Tagliabue.). (Acetone)
Flammable Limits	The greatest known range is LOWER: 2.6% UPPER: 12.6% (Acetone)
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 2 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 when vapours present are between the lower (2.6%) and upper (12.6%) 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, CO2) 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 and strong alkalies. Keep away from heat, sparks, open flame and all possible ignition sources.
Instability Temperature	Not available.
Conditions of Instability	Not available.

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Section 6. Toxicological Properties

Routes of Entry	Eye contact. Inhalation. Ingestion.
TLV	**Acetone** TWA: 750 **Ethyleneglycol monobutyl ether** TWA: 25 CEIL: 150 TWA: 240 CEIL: 720 **Dibutyl phthalate** TWA: 5 CEIL: 10 (mg/m^3) Consult local authorities for acceptable exposure limits.
Toxicity to Animals	Acute oral toxicity (LD50): 300 mg/kg [Rabbit]. (Ethyleneglycol monobutyl ether). Acute oral toxicity (LD50): 9750 mg/kg [Rat] (Acetone). Acute dermal toxicity (LD50): 20000 mg/kg [Rabbit]. (Acetone). Acute toxicity of the vapor (LC50): 16000 ppm [Rat] (Acetone). Acute toxicity of the vapour (LC50): 450 ppm [Rat] (Ethyleneglycol monobutyl ether). Acute toxicity of the gas (LC50): 136 ppm [Mouse.] (Dimethyl ether).
Chronic Effects on Humans	Prolonged or repeated skin contact may lead to dermatitis.
Acute Effects on Humans	EYE CONTACT: May cause irritation, redness and tearing. SKIN CONTACT: May cause irritation, defatting, drying and cracking of skin. 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. INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.
Synergetic Products (Toxicologically)	Not available.
Irritation/Corrosivity	See acute effects on humans.
Sensitization	Not available.
Carcinogenic Effects	Not available.
Toxic Effects on Reproduction	**DEVELOPMENTAL TOXICITY**: Not available.
Teratogenic Effects	**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 and chemical resistant gloves.
Large Spill and Leak	Not applicable for aerosol containers.
Protective Clothing	Not applicable for aerosol containers.

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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.
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.

Not available.

Validated by Regulatory Affairs Dept. on March 31, 2016

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

Responsable Name/ Telephone No.

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Not applicable.

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