

Material Safety Data Sheet

Rust Veto 342

Section I- Product IdentificationProduct Name: **Rust Veto 342**

Product Code: 21342019

Product Use: Metal Working Compound

Supplier: **Houghton Canada Inc.**

Site: 100 Symes Road
 Toronto, Ontario, M6N 3T1
 Mail: P.O. Box 113 Station D
 Toronto, Ontario, M6P 3J5
 Phone number: 416-763-4691
 DUNS number: 20-167-2573

Manufacturer: Refer to supplier

For spill or medical emergencies,
 Monday to Friday, 8:30 am to 4:30 pm, (office hours), call Houghton Canada Inc at 416-763-4691.
 All other times, call Canutec at 613-996-6666.

TDG Classification (non-bulk): Not classified
 TDG Classification (bulk ground): FLAMMABLE LIQUID, N.O.S., Class 3, UN 1993, PG III
 TDG Classification (Air and IMO): PETROLEUM DISTILLATES, N.O.S., Class 3, UN1268, PG III
 WHMIS Hazard: B3, D2B

Section II- Hazardous Components

<u>Material Description</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazard</u>
Aliphatic Petroleum Solvent	64742-47-8 8052-41-3	30 – 60	LD50 (oral, rat): Not available LD (oral, rat): >5 g/kg LD50 (dermal, rabbit): Not available LD (dermal, rabbit): > 3g/kg LC50 (inhalation, rat): Not available LC (inhalation, rat): > 5500 mg/m ³ (4h)
Hexylene Glycol	107-41-5	1 – 10	LD50 (oral, rat): 3700 mg/kg LD50 (dermal, rabbit): 8560 µL/kg LC50 (inhalation, rat): > 310 mg/m ³ (1h)

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Section III-Physical Data

Physical State	Liquid	Vapor Pressure (mm Hg)	Not determined
Appearance and Odour	Light brown fluid, with mineral spirits odour	Evaporation Rate (BuAc = 1)	<1
Odour Threshold (ppm or mg/m ³)	Not available	Vapor Density (Air=1)	Not determined
Boiling Point (°F)	> 300	Coefficient of water/oil distribution	Not available
Freezing Point (°F)	Not Applicable	Soluble in water	Negligible
Specific Gravity (Water = 1)	0.874	pH Neat	Not applicable

Section IV-Fire and Explosion Hazard Data

Flash Point (°F): 105 Method Used: Tag Closed cup

Auto-ignition temperature: Not determined

LEL: Not determined

UEL: Not determined

Flammability: This product is a flammable liquid under normal conditions. Product will burn above its flashpoint.

NFPA Classifications: Health: 1

 Fire: 2

 Reactivity: 0

Extinguishing Methods: Use carbon dioxide, foam or dry chemical. Water may be ineffective for firefighting.

Special Fire Fighting Instructions: Fire fighters should wear full protective clothing, including self-contained breathing equipment. Avoid spraying water directly into storage containers due to danger of boilover. Either the liquid or vapour may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode. Product floats on water creating a potential floating hazard.

Unusual Fire and Explosion Hazards: Cool containing vessels with water spray in order to prevent possible pressure build-up, autoignition or explosion. Vapour accumulation may flash and/or explode if ignited.

Sensitivity to mechanical impact: None known.

Sensitivity to static discharge: Static ignition hazard can result from handling and use. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapours of flammable liquids.

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Hazardous products of combustion: May produce toxic or suffocating gases, smoke and irritating vapours as products of incomplete combustion. Oxides of carbon may be formed if involved in a fire or subjected to intense heat.

Section V- Toxicological Properties

Threshold Limit Value (TLV) and Permissible Exposure Limit (PEL):

Material Description	CAS No.	Percent	Exposure Limits		
			ACGIH TLV	OSHA PEL	
Aliphatic Petroleum Solvent	64742-47-8 8052-41-3	30 – 60	TWA: 100 ppm	STEL: 500 ppm	500 ppm
Hexylene Glycol	107-41-5	1 – 10	TWA: NAv.	25 ppm - Ceiling	NAv.

Primary Routes of Exposure – Eyes, skin, inhalation

Chronic or Recurrent Effects: None known.

Reproductive Effects: None known

Teratogenicity: None known

Embryotoxicity: None known

Mutagenicity: None known

Carcinogens as defined by:

- NTP: Based on current information, none of the components of this product that are known to be present in a quantity greater than 0.1% are listed by NTP as carcinogenic
- IARC: Based on current information, none of the components of this product that are known to be present in a quantity greater than 0.1% are listed by IARC as a group 1 or 2 carcinogen
- ACGIH: Based on current information, none of the components of this product that are known to be present in a quantity greater than 0.1% are listed by ACGIH as a group A1 or A2 carcinogen
- OSHA: Based on current information, none of the components of this product that are known to be present in a quantity greater than 0.1% are listed as a carcinogen by OSHA

Synergistic products: None known.

Sensitization to product: None known.

Acute Effects:

Inhalation: High vapour/aerosol concentrations (in excess of the TLV) are irritating to the respiratory tract and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects.

Skin: May be a mild irritant. Prolonged or repeated contact may dry or defatt skin. Passage of this material into the body through the skin is possible, but is unlikely that this would result in harmful effects during safe handling and use.

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Eyes: May be a moderate eye irritant.

Ingestion: May cause nausea or discomfort. Aspiration may cause lung damage. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury.

Section VI – First Aid Measures

Inhalation: Remove person to source of fresh air. If breathing has stopped, apply artificial respiration and administer oxygen if necessary. Seek medical attention.

Skin: Wash skin with water and soap. Apply skin creams if defatting action has occurred. Remove contaminated clothing and launder before reusing. Seek medical attention if irritation occurs or persists.

Eye: Flush eye with large amount of water for 15 minutes while holding eyelids open. Seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Note to Physicians: No specific antidote known. Based on individual reactions of the patient, the physician's judgment should be used to control symptoms and clinical conditions.

Section VII - Reactivity Data

Stability: Stable Unstable

Incompatibility (Materials to Avoid): Strong Oxidizers

Hazardous Decomposition Products: Thermal: Oxides of carbon

Hazardous polymerization: May occur: Will Not Occur

Section VIII – Preventative Measures

Personal Protective Equipment:

Engineering Controls: Local exhaust ventilation required in misting conditions to ensure applicable exposure limits are not exceeded in section V.

Ventilation: General type is satisfactory unless exposure limits in section V are exceeded. If exposure limits documented in Section V are exceeded, use a NIOSH-certified air-purifying respirator. Selection and use of respiratory protective equipment should be in accordance with CSA Standard Z94.4

Protective Gloves: Rubber, neoprene, nitrile or equivalent gloves are recommended depending on the duration of exposure and the type of work related to prevent skin exposure

Eye Protection: Safety goggles or safety glasses with side shields are recommended.

Protective Clothing: Wear gloves and long sleeves to minimize skin exposure. Use apron or overall if slashing is expected.

Other protective equipment Eye wash station and safety shower recommended.

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- Storage and Handling:** Avoid contact with strong oxidizers. Keep containers closed when not in use. Wear eye protection and gloves when handling neat product. Wash hands thoroughly after handling product. Use with adequate ventilation. Empty containers may contain hazardous vapours and residue and therefore retain all hazards. Material will accumulate static charges, which may cause an electrical spark. Ensure proper electrical grounding procedures are in place. Use caution venting drums before use.
- Spill, Leak or Release:** For small spills apply dry absorbent material, such as dry earth, sand or other non-combustible material and transfer to containers for disposal. For large spills, stop spill at source and contain. Pump or vacuum transfer spilled product to clean containers for recovery and possible reuse. Absorb unrecoverable product.
- Waste disposal:** Follow pertinent regulations for disposal. It is the responsibility of the product user to determine, at the time of disposal, whether a material containing the product or derived from the product is classified as a hazardous waste. This product has a flash point below 140°F and by RCRA regulations is classified as a hazardous waste if discarded.

Section IX – Preparation Data

MSDS prepared by: Houghton Canada Inc.
Phone Number: 416-763-4691
Revision Date: May 6, 2008

Additional Product Information

RCRA Hazardous Waste Number: D001; Ignitability
DSL (Domestic Substances List): All materials are listed.
SARA Title III section 313: This product contains no toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization act of 1986 and 40 CFR part 372.

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