

**Material Safety Data Sheet
RUST VETO 377-HF****1. Chemical Product and Company Identification**

Product Name	RUST VETO 377-HF	CHEMTREC Company Code	HOUH
Company Name	Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482	CHEMTREC Customer Number	10769
Company Name	Houghton Canada Inc. 115 Walker Drive, Unit B Brampton, ON L6T 5P5 Phone: 905-494-3770	FAX Customer Service	(610) 666-1376 (888) 459-9844
Website	www.houghtonintl.com	Product Use	Corrosion Inhibitor
Telephone	(610) 666-4000		
Emergency Phone Number	24 HOUR - (800) 424-9300 or (703) 527-3887 (CHEMTREC)		
Emergency Phone Number - Canada	24 HOUR - 613-996-6666 (CANUTEC)		

2. Hazardous Ingredients

Component	Cas No	% by Weight	Hazards
Glycol Ether	112-34-5	1-10	TLV: N/E PEL: N/E STEL: N/E Other: 35 ppm (Mfr)
Mineral Oil	64741-88-4 64742-01-4	10-30	TLV: 5 mg/m ³ as oil mist PEL: 5 mg/m ³ as oil mist STEL: 10 mg/m ³ as oil mist Other:
Petroleum Hydrocarbon	64742-47-8 64742-88-7	60-100	TLV: 200 mg/m ³ - vapor

N/E - Not Established; N/A - Not Applicable; Mfr - Manufacturer Recommendation
TLV, STEL - ACGIH; PEL - OSHA



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3. Hazards Identification

Primary Entry Routes	EYES, SKIN, INHALATION
Acute Effects	
Inhalation	INHALATION OF MISTS MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY TRACT.
Eye	MAY CAUSE EYE IRRITATION.
Skin	PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION OR HAVE A DEFATTING EFFECT ON THE SKIN.
Ingestion	INGESTION MAY CAUSE NAUSEA OR DISCOMFORT. ASPIRATION MAY CAUSE LUNG DAMAGE.
Carcinogenicity	THIS PRODUCT DOES NOT CONTAIN ANY COMPONENT REPORTABLE AS A CARCINOGEN UNDER 29 CFR 1910.1200.
Medical Conditions Aggravated by LongTerm Exposure	PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.
Chronic Effects	SEE EFFECTS ABOVE.
HMIS:	
Health	1
Flammability	2
Physical Hazard	0

* indicates that there may be chronic health effects present

4. First Aid Measures

Inhalation	IF INHALED, REMOVE TO A SOURCE OF FRESH AIR.
Eye Contact	FLUSH EYES WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
Skin Contact	WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSING. CONSULT PHYSICIAN IF IRRITATION PERSISTS.
Ingestion	IF INGESTED, DO NOT INDUCE VOMITING! CONSULT PHYSICIAN.
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.

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N/A - Not Applicable

5. Fire Fighting Measures

Flash Point	160°F/71°C
Method Used	PENSKY MARTENS CLOSED CUP
Autoignition Temperature	N/D
LEL	N/D
UEL	N/D
Extinguishing Media	USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM. USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.
Unusual Fire or Explosion Hazards	PRODUCT FLOATS ON WATER CREATING A POTENTIAL FLOATING FIRE HAZARD.
Fire Fighting Instructions	WEAR PROTECTIVE GEAR DURING FIREFIGHTING. DO NOT DIRECT A SOLID STREAM OF WATER INTO BURNING POOLS. THIS MAY CAUSE FROTHING AND INCREASE FIRE INTENSITY.
NFPA:	
Health	1
Flammability	2
Reactivity	0
Special	N/A

N/A - Not Applicable; ND - Not Determined; > - Greater Than; < - Less Than

6. Accidental Release Measures

Spill or Release Procedures	ELIMINATE ALL SOURCES OF IGNITION. PROVIDE VENTILATION. APPLY DRY ABSORBENT MATERIAL AND SWEEP UP THOROUGHLY. PLACE IN A SUITABLE CONTAINER FOR DISPOSAL.
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7. Handling and Storage

Handling Precautions	KEEP AWAY FROM HEAT, SPARKS AND OTHER SOURCES OF IGNITION. USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.
Storage Requirements	STORE SEPARATELY FROM OXIDIZERS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY, WELL VENTILATED AREA. USE PROPER GROUNDING EQUIPMENT FOR ALL CONTAINERS. EMPTY CONTAINERS MAY CONTAIN HAZARDOUS VAPORS AND RESIDUE AND THEREFORE RETAIN ALL HAZARDS.

8. Exposure Controls/Personal Protection

Engineering Controls	PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE EXPOSURE LIMITS IN SECTION 2.
Personal Protective Equipment	
Eye/Face Protection	WEAR SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
Skin Protection	USE RUBBER GLOVES AND LONG SLEEVES TO MINIMIZE SKIN EXPOSURE. USE APRON OR OVERALLS IF SPLASHING IS POSSIBLE.
Respiratory Protection	USE AN APPROVED RESPIRATOR (SEE 29 CFR 1910.134) IF APPLICABLE EXPOSURE LIMITS ARE EXCEEDED.
Other	EYEWASH AND SAFETY SHOWER RECOMMENDED.
Comments	USE OF GLOVES AND OTHER SKIN PROTECTION DEPENDS ON THE DURATION OF EXPOSURE AND THE TASK BEING PERFORMED. IF NECESSARY, USE CHEMICALLY RESISTANT GLOVES SUCH AS NEOPRENE, NITRILE OR EQUIVALENT MATERIALS.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, or applying cosmetics.

9. Physical and Chemical Properties

Appearance	DARK LIQUID	Water Solubility	INSOLUBLE
Odor	PETROLEUM SOLVENT ODOR	Boiling Point	> 350°F / 176°C
Vapor Pressure (mmHg)	N/A	Freezing/ Melting Point	N/D
Vapor Density (Air = 1)	N/A	Evaporation Rate (BuAc = 1)	< 1



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9. Physical and Chemical Properties - continued

Specific Gravity 0.83
(Water = 1)

N/D - Not Determined; N/A - Not Applicable; > - Greater Than; < - Less Than

10. Stability and Reactivity

Stability	THIS PRODUCT IS STABLE AT ROOM TEMPERATURE IN CLOSED CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS.
Chemical Incompatibilities	AVOID CONTACT WITH STRONG OXIDIZERS.
Hazardous Decomposition Products	THERMAL: OXIDES OF CARBON AND SULFUR
Hazardous Polymerization	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

11. Toxicological Information

NO DATA AVAILABLE

12. Ecological Information

NO DATA AVAILABLE

13. Disposal Considerations

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 SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE. (40 CFR 261.20-24)
RCRA Hazardous Waste Number	N/A

**Material Safety Data Sheet
RUST VETO 377-HF****14. Transportation Information**

Proper Shipping Name NON-BULK GROUND - NOT HAZARDOUS UNDER DOT, AIR OR IMO REGULATIONS.
BULK - NA1993, COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM SOLVENT), III.

15. Regulatory Information

TSCA Section 8(b) ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE TSCA INVENTORY.

DSL ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE CANADIAN DSL. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

CERCLA Reportable Quantity NONE

SARA Title III, Section 313 2% GLYCOL ETHER
1.5% ZINC COMPOUND (0.2% ZINC IN PRODUCT)

SCAQMD SCAQMD RULE 1144: THIS PRODUCT EXCEEDS VOC CONCENTRATIONS SET BY SCAQMD AS DETERMINED BY TEST METHOD ASTM E1868-10 AND CANNOT BE USED AS A METAL WORKING FLUID OR AS A DIRECT CONTACT LUBRICANT IN CALIFORNIA'S SCAQMD REGION AS PER RULE 1144.

Ozone Depleting Substances THIS PRODUCT WAS NOT MANUFACTURED, DOES NOT CONTAIN, AND WAS NOT PACKAGED USING ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCE AS DEFINED BY THE CLEAN AIR ACT.

WHMIS B3, D2B

16. Other Information

Date of Preparation: 31 October 2011

Prepared By GARY CARL

Title MANAGER, PRODUCT SAFETY

Telephone Number (610) 666-4000

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