



HOUGHTON

Houghton International Inc.

Revision Date : 07/15/2013

# Material Safety Data Sheet RUST VETO 4214-W

## 1. Chemical Product and Company Identification

Product Name	RUST VETO 4214-W	FAX	(610) 666-1376
Company Name	Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482	Customer Service	(888) 459-9844
Website	www.houghtonintl.com	Product Use	Corrosion Inhibitor
Telephone	(610) 666-4000		
Emergency Phone Number	3E Company: 1-866-519-4752 (USA, Canada, Mexico)		
Company Access Code	333938		

## 2. Hazardous Ingredients

Component	Cas No	% by Weight	Hazards
Calcium Sulfonate	57855-77-3	1-10	TLV: N/E PEL: N/E
Glycol Ether	112-34-5	1-10	TLV: N/E PEL: N/E STEL: N/E Other: 35 ppm (Mfr)
Mineral Oil	64741-97-5 64742-65-0	1-10	TLV: 5 mg/m <sup>3</sup> as oil mist PEL: 5 mg/m <sup>3</sup> as oil mist STEL: 10 mg/m <sup>3</sup> as oil mist Other:
Paraffin Wax	64742-51-4	1-10	TLV: 2 mg/m <sup>3</sup> as fumes PEL: N/E STEL: N/E Other:
Petroleum Hydrocarbon	64742-47-8 64742-88-7	60-100	TLV: 200 mg/m <sup>3</sup> - 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	AVOID BREATHING PRODUCT VAPORS. BREATHING VAPORS IN EXCESS OF THE TLV MAY CAUSE HEADACHE, DIZZINESS OR NAUSEA.
Eye	MAY CAUSE MODERATE EYE IRRITATION.
Skin	MAY CAUSE IRRITATION TO SKIN AND HAVE A DEFATTING EFFECT ON PROLONGED CONTACT.
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 IF IRRITATION PERSISTS.
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.



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## 4. First Aid Measures - continued

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.

N/A - Not Applicable

## 5. Fire Fighting Measures

Flash Point	150°F / 66°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. CLOSED CONTAINERS MAY SWELL AND RUPTURE WHEN EXPOSED TO EXTREME HEAT. USE WATER SPRAY TO COOL CONTAINERS EXPOSED TO FIRE AND HEAT.
Unusual Fire or Explosion Hazards	PRODUCT FLOATS ON WATER CREATING A POTENTIAL FLOATING FIRE HAZARD. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE WHICH MAY BE IGNITED. TREAT CONTAINERS ACCORDINGLY.
Fire Fighting Instructions	WEAR PROTECTIVE GEAR DURING FIREFIGHTING. HIGH PRESSURE WATER STREAM WILL SCATTER MATERIAL AND MAY SPREAD FIRE.
NFPA:	
Health	1
Flammability	2
Reactivity	0
Special	N/A

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



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## 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.

## 7. Handling and Storage

Handling Precautions      AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE PRODUCT WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

Storage Requirements      KEEP AWAY FROM SOURCES OF HEAT, OPEN FLAMES AND SPARKS. AVOID CONTACT WITH STRONG OXIDIZERS. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

## 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 APRON AND CHEMICAL RESISTANT GLOVES. BARRIER CREAMS MAY BE HELPFUL IF SKIN IS SENSITIVE.

Respiratory Protection      RESPIRATORY PROTECTION REQUIRED IF APPLICABLE EXPOSURE LIMITS ARE EXCEEDED.

Other      EYEWASH AND SAFETY SHOWER RECOMMENDED.

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	LIGHT AMBER LIQUID	Water Solubility	INSOLUBLE
Odor	MILD PETROLEUM ODOR	Boiling Point	350-450°F (176-232°C)
Vapor Pressure (mmHg)	N/D	Freezing/ Melting Point	N/D



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## 9. Physical and Chemical Properties - continued

Vapor Density (Air = 1)	N/D	Evaporation Rate (BuAc = 1)	< 1
Specific Gravity (Water = 1)	0.81		

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 TRACE OXIDES OF 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



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## 14. Transportation Information

Proper Shipping Name                      NON-BULK, AIR AND INTERNATIONAL - NOT HAZARDOUS.  
BULK GROUND - NA1993, COMBUSTIBLE LIQUID, N.O.S. , 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

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

Prepared By                                      BILL SHADE

Title    MANAGER, PRODUCT STEWARDSHIP

Telephone Number                              (610) 666-4000

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