



Material Safety Data Sheet

RUST VETO 4214

1. Chemical Product and Company Identification

Product Name	RUST VETO 4214	Emergency Phone Number	24 HOUR - (800) 424-9300 (CHEMTREC)
Company Name	Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482	FAX	(610) 666-1376
Website	www.houghtonintl.com	Customer Service	(888) 459-9844
Telephone	(610) 666-4000		

2. Hazardous Ingredients

Component	Cas No	% by Weight	Hazards
1,2,4-Trimethylbenzene	95-63-6	1-10	TLV: 25 ppm PEL: N/E STEL: N/E Other: N/E
Mineral Oil	64742-54-7	1-10	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: N/E
Petroleum Solvent (Naphtha)	8052-41-3	>60	TLV: N/E PEL: 100 ppm STEL: N/E Other: NIOSH: 350 mg/m ³

N/E - Not Established; N/A - Not Applicable; Mfr - Manufacturer Recommendation

3. Hazards Identification

Primary Entry Routes	EYES, SKIN, INHALATION
Acute Effects	
Inhalation	VAPORS OR MISTS MAY CAUSE HEADACHE, DIZZINESS OR NAUSEA.
Eye	MODERATE IRRITANT.
Skin	MILD IRRITANT; MAY HAVE DEFATTING ACTION.
Ingestion	MAY CAUSE NAUSEA. ASPIRATION MAY CAUSE LUNG DAMAGE.



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3. Hazards Identification - continued

Carcinogenicity	NO COMPONENT KNOWN TO BE PRESENT IN THIS PRODUCT AT GREATER THAN 0.1% IS LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.
Medical Conditions Aggravated by LongTerm Exposure	PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.
Chronic Effects	UNKNOWN
HMIS:	
Health	1
Flammability	2
Reactivity	0
Personal Protection	B

* indicates that there may be chronic health effects present

4. First Aid Measures

Inhalation	REMOVE TO SOURCE OF FRESH AIR.
Eye Contact	FLUSH WITH WATER 15 MINUTES, CONSULT PHYSICIAN.
Skin Contact	WASH WITH SOAP AND WATER, APPLY SKIN CREAMS. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSING.
Ingestion	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.

N/A - Not Applicable

5. Fire Fighting Measures

Flash Point	105° F (PENSKY MARTENS CLOSED CUP)
Autoignition Temperature	N/D
LEL	N/D
UEL	N/D



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5. Fire Fighting Measures - continued

Extinguishing Media	CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Unusual Fire or Explosion Hazards	VAPOR ACCUMULATION MAY FLASH AND/OR EXPLODE IF IGNITED.
Fire Fighting Instructions	SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE.
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	REMOVE SOURCES ALL OF FLAMES, SPARKS AND HEAT. PROVIDE VENTILATION. CLEAN UP WITH DRY ABSORBENT MATERIAL.
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7. Handling and Storage

Storage and Handling Requirements	STORE AWAY FROM SOURCES OF HEAT, OPEN FLAMES AND SPARKS. AVOID CONTACT WITH STRONG OXIDIZERS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINERS CLOSED WHEN NOT IN USE.
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8. Exposure Controls/Personal Protection

Engineering Controls	EXHAUST TYPE VENTILATION, ESPECIALLY IF WORK IS IN CONFINED AREA.
Personal Protective Equipment	
Eye/Face Protection	SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
Skin Protection	IMPERVIOUS GLOVES; BARRIER CREAMS IF SKIN IS SENSITIVE.
Respiratory Protection	REQUIRED IF EXPOSURE LIMITS IN SECTION 2 ARE EXCEEDED.

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Other EYE WASH AND SAFETY SHOWER ARE 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	CLEAR, LIGHT AMBER LIQUID	Water Solubility	INSOLUBLE
Odor	ALIPHATIC SOLVENT ODOR	Boiling Point	GREATER THAN 300° F
Vapor Pressure (mmHg)	N/D	Freezing/ Melting Point	N/A
Vapor Density (Air = 1)	N/D	Evaporation Rate (BuAc = 1)	< 1
Specific Gravity (Water = 1)	0.85		
pH (Neat)	N/A		

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	STRONG OXIDIZERS
Hazardous Decomposition Products	THERMAL; OXIDES OF CARBON; TRACES OF OXIDES OF SULFUR
Hazardous Polymerization	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

11. Toxicological Information

NO DATA AVAILABLE

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RUST VETO 4214****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	D001: IGNITABILITY; D005: BARIUM

14. Transportation Information

Proper Shipping Name	DRUMS, GROUND - NOT HAZARDOUS. BULK - COMBUSTIBLE LIQUID, N.O.S. (STODDARD SOLVENT), NA 1993, III.; AIR & INTERNATIONAL - PETROLEUM DISTILLATES, N.O.S., 3, UN 1268, III.
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15. Regulatory Information

TSCA Section 8(b)	ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE TSCA INVENTORY.
CERCLA Reportable Quantity	NONE
SARA Title III, Section 313	1% GLYCOL ETHER, 3% 1,2,4-TRIMETHYLBENZENE (CAS 95-63-6).
Michigan Critical Materials Register	0.27% BARIUM (ID NO. D005; PARAMETER NO. 7440-34-3)
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.



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16. Other Information

Prepared By

GARY CARL

Title

MANAGER, PRODUCT SAFETY

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