



# 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.<br>Madison & Van Buren Aves<br>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  |
|-----------------------------|--|-------------|--|
| Aliphatic Petroleum Solvent | 64742-47-8<br>64742-88-7               | 60-100      | TLV: 100 ppm<br>PEL: 500 ppm   |
| Glycol Ether                | 112-34-5                               | 1-10        | TLV: N/E<br>PEL: N/E<br>STEL: N/E<br>Other: 35 ppm (Mfr)   |
| Mineral Oil                 | 64742-52-5<br>64742-54-7<br>64742-65-0 | 1-10        | TLV: 5 mg/m <sup>3</sup> as oil mist<br>PEL: 5 mg/m <sup>3</sup> as oil mist<br>STEL: 10 mg/m <sup>3</sup> as oil mist<br>Other: |

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

## 3. Hazards Identification

|                      |  |
|----------------------|--|
| Primary Entry Routes | EYES, SKIN, INHALATION   |
| Acute Effects        |  |
| Inhalation           | INHALATION OF MISTS MAY CAUSE HEADACHE, DIZZINESS AND 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.                      |

**Material Safety Data Sheet  
RUST VETO 4214****3. Hazards Identification - continued**

|  |  |
|--|--|
| 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                                    | UNKNOWN  |
| 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 LAUNDER 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. |

N/A - Not Applicable

**5. Fire Fighting Measures**

|                          |                           |
|--------------------------|---------------------------|
| Flash Point              | 105°F / 40°C              |
| Method Used              | PENSKY MARTENS CLOSED CUP |
| Autoignition Temperature | N/D                       |
| LEL                      | N/D                       |



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## 5. Fire Fighting Measures - continued

|                                   |  |
|-----------------------------------|--|
| 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. VAPOR ACCUMULATION MAY FLASH OR EXPLODE IF IGNITED.                                   |
| 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. |
|-----------------------------|---|

## 7. Handling and Storage

|                      |  |
|----------------------|--|
| Handling Precautions | PROPERLY GROUND ALL CONTAINERS AND EQUIPMENT. USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. |
| Storage Requirements | STORE AWAY FROM SOURCES OF HEAT, OPEN FLAMES AND SPARKS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY, WELL VENTILATED AREA.             |

**Material Safety Data Sheet  
RUST VETO 4214****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        | RESPIRATORY PROTECTION REQUIRED IF APPLICABLE EXPOSURE LIMITS ARE EXCEEDED. RECOMMENDED IN MISTING CONDITIONS.               |
| 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                   | CLEAR, LIGHT AMBER COLORED LIQUID | pH (Neat)                   | N/A             |
| Odor                         | ALIPHATIC SOLVENT ODOR            | Water Solubility            | INSOLUBLE       |
| Vapor Pressure (mmHg)        | N/D                               | Boiling Point               | > 350°F / 176°C |
| Vapor Density (Air = 1)      | N/D                               | Freezing/ Melting Point     | N/D             |
| Specific Gravity (Water = 1) | 0.85 @ 60°F                       | Evaporation Rate (BuAc = 1) | < 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. |
| Conditions to Avoid        | KEEP AWAY FROM ALL SOURCES OF IGNITION SUCH AS HEAT, SPARKS AND OPEN FLAMES.                                  |
| Chemical Incompatibilities | AVOID CONTACT WITH STRONG OXIDIZERS.  |

**Material Safety Data Sheet  
RUST VETO 4214****10. Stability and Reactivity - continued**

|                                  |  |
|----------------------------------|--|
| 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 | D001; IGNITABILITY. D005; BARIUM.  |

**14. Transportation Information**

|                      |  |
|----------------------|--|
| Proper Shipping Name | NON-BULK GROUND - NOT HAZARDOUS UNDER DOT.<br>BULK, GROUND - NA1993, COMBUSTIBLE LIQUID, N.O.S. (STODDARD SOLVENT), III.<br>AIR AND INTERNATIONAL - UN1268, PETROLEUM DISTILLATES, N.O.S., 3, 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. |



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## 15. Regulatory Information - continued

|                             |  |
|-----------------------------|--|
| CERCLA Reportable Quantity  | NONE   |
| SARA Title III, Section 313 | 1% GLYCOL ETHER, 2% BARIUM COMPOUND (0.3%Ba IN PRODUCT)  |
| SCAQMD                      | THIS PRODUCT IS NOT TO BE USED IN CALIFORNIA'S SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT BECAUSE IT DOES NOT COMPLY WITH 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                      GARY CARL  
Title                                MANAGER, PRODUCT SAFETY

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