

E F HOUGHTON & CO -- RUST VETO 4214 -- 9150-00N020026

===== Product Identification =====

Product ID:RUST VETO 4214
MSDS Date:04/04/1990
FSC:9150
NIIN:00N020026
MSDS Number: BLGZV
=== Responsible Party ===
Company Name:E F HOUGHTON & CO
Box:930
City:VALLEY FORGE
State:PA
ZIP:19482
Country:US
Info Phone Num:215-666-4105
Emergency Phone Num:215-666-4105
Preparer's Name:ROBERT WILLIAMS
CAGE:73227

=== Contractor Identification ===

Company Name:HOUGHTON INTERNATIONAL INC
Box:930
City:VALLEY FORGE
State:PA
ZIP:19482
Country:US
Phone:610-666-4105
CAGE:73227
Company Name:HOUGHTON INTERNATIONAL INC
Address:MADISON AND VAN BUREN AVES
Box:930
City:VALLEY FORGE
State:PA
ZIP:19482-0930
Country:US
Phone:610-666-4105
CAGE:73277

===== Composition/Information on Ingredients =====

Ingred Name:STODDARD SOLVENT
CAS:8052-41-3
RTECS #:WJ8925000
Fraction by Wt: >60%
OSHA PEL:500 PPM
ACGIH TLV:100 PPM; 9293

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED HEAVY
PARAFFINIC. LIMITS AS OIL MIST.
CAS:64742-54-7
RTECS #:PY8035500
Fraction by Wt: 1-10%
OSHA PEL:5MG/M3
ACGIH TLV:5MG/M3;10MG/M3 STEL

===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
 Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
 Health Hazards Acute and Chronic:AVOID BRTHG PRODUCT VAP. BRTHG VAPS IN
 EXCESS OF TLV MAY CAUSE HDCH, DIZZ/NAUS. PERSONS WITH CHRONIC
 RESPIRATORY DISEASE MAY SHOW INCREASED SYMPTOMS DUE TO IRRITATION.
 SKIN: MILD IRRITANT; MAY HAVE DE FATTING ACTION. EYE:MODERATE
 IRRITANT. INGEST: MAY CAUSE NAUSEA. NO SERIOUS SIGNIFICANT EFFECTS
 KNOWN.
 Explanation of Carcinogenicity:MINERAL OIL CAS NO. 64742-54-7 LISTED IN
 THE RTECS AN AN IARC GROUP 1 CARCINOGEN
 Effects of Overexposure:SEE HEALTH HAZARDS
 Medical Cond Aggravated by Exposure:SEE INHALATION EFFECTS IN HEALTH
 HAZARDS.

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 First Aid Measures
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First Aid:INHAL: REMOVE TO SOURCE OF FRESH AIR. SKIN: WASH WITH SOAP
 AND WATER, APPLY SKIN CREAMS. EYE: FLUSH WITH WATER FOR AT LEAST 15
 MINUTES. CONSULT MD. INGEST: DO NOT INDUCE VOMITING, GIVE MILK OR
 VEGETAB LE OIL, CONSULT MD.

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 Fire Fighting Measures
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Flash Point Method:PMCC
 Flash Point:105F,41C
 Lower Limits:0.8
 Upper Limits:5.0
 Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL
 Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL
 PROTECTIVE EQUIPMENT .
 Unusual Fire/Explosion Hazard:VAPOR ACCUMULATION MAY FLASH AND/OR
 EXPLODE IF IGNITED.

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 Accidental Release Measures
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Spill Release Procedures:CLEAN UP WITH DRY ABSORBENT MATERIAL. PROVIDE
 VENTILATION. KEEP FLAMES, SPARKS, AND HEAT AWAY FROM SPILL AREA.
 Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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 Handling and Storage
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Handling and Storage Precautions:STORE AWAY FROM SOURCES OF HEAT, OPEN
 FLAMES AND SPARKS. AVOID CONTACT WITH STRONG OXIDIZERS. USE WITH
 ADEQUATE VENTILATION.
 Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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 Exposure Controls/Personal Protection
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Respiratory Protection:REQUIRED ONLY IF TLV IS EXCEEDED. NIOSH/MSHA
 APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .
 Ventilation:EXHAUST TYPE VENTILATION, ESPECIALLY IF WORK IS IN CONFINED
 AREA.
 Protective Gloves:IMPERVIOUS GLOVES.
 Eye Protection:CHEMICAL WORKERS GOGGLES .
 Other Protective Equipment:BARRIER CREAMS IF SKIN IS SENSITIVE.
 Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
 Supplemental Safety and Health
 NONE SPECIFIED BY MANUFACTURER.

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 Physical/Chemical Properties
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HCC:F4

Boiling Pt:B.P. Text:315F,157C

Vapor Pres:100F-6.0

Vapor Density:4.9

Spec Gravity:0.85

Evaporation Rate & Reference:0.2 (BU-AC=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR, LIGHT AMBER LIQUID; ALIPHATIC SOLVENT ODOR.

Percent Volatiles by Volume:>60

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:THERMAL; COX; TRACES OF SOX.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOS MUST BE IN ACCRD W/FED, STATE, & LOC REGULATIONS .BY RCRA REGULATION, THIS PROD IS A HAZ WASTE ON TWO COUNTS IF IT IS TO BE DISCARDED. (1) FLASH POINT IS BELOW 140F. (2) PRODUCT FAILS RCR A EP TOXICITY TEST; RESULTS EXCEED 100 PPM BARIUM.

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