

RALRUBE INC. -- NOX RUST 501 LS (MIL-PRF-16173E, CLASS 1, GRADE 1) -- 8030-00-244-1300

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Product Identification
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Product ID:NOX RUST 501 LS (MIL-PRF-16173E, CLASS 1, GRADE 1)

MSDS Date:03/03/1997

FSC:8030

NIIN:00-244-1300

Status Code:A

MSDS Number: CLHZM

=== Responsible Party ===

Company Name:RALRUBE INC.

Address:36977 FOX GLEN

City:FARMINGTON HILLS

State:MI

ZIP:48331

Country:US

Info Pho

ne Num:248-661-0260

Emergency Phone Num:(800)424-9300

Preparer's Name:HENRY SIMMONS

Chemtec Ind/Phone:(800)424-9300

CAGE:6X798

=== Contractor Identification ===

Company Name:RALRUBE INC.

Address:36977 FOX GLEN

Box:City:FARMINGTON HILLS

State:MI

ZIP:48331

Country:US

Phone:248-661-0260, FAX 248-661-3941

CAGE:6X798

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Composition/Information on Ingredients
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Ingred Name:PETROLEUM ASPHALT

CAS:8052-42-4

RTECS #:CI9900000

Minumum % Wt:40.

Maxumum % Wt:45.

ACGIH TLV:5 MG/M3

Ingred Name:ALIPHATIC PETROLEUM SOLVENT

CAS:64742-88-7

Minumum % Wt:48.

Maxumum % Wt:53.

OSHA PEL:100 PPM

ACGIH TLV:100 PPM

ACGIH STEL:200 PPM

Ingred Name:HYDROGEN SULFIDE

CAS:7783-06-4

RTECS #:MX1225000

< Wt:.08

OSHA PEL:SEE TABLE Z-2

ACGIH TLV:14 MG/M3;10 PPM

ACGIH STEL:21 MG/M3;15 PPM

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Health Hazards Acute and Chronic:ACUTE:

INHALATION OF VAPOR S MAY CAUSE

NOSE, THROAT, AND MUCOUS MEMBRANE IRRITATION, AND NAUSEA, HEADACHES OR DIZZINESS, AND CENTRAL NERVOUS SYSTEM DEPRESSION, INCLUDING DROWSINESS, LOSS OF COORDINATI ON, AND UNCONSCIOUSNESS. PROLONGED OR REPEATED SKIN CONTACT WITH COLD PRODUCT AT RESULT IN DRYNESS AND IRRITATION OF THE SKIN. PROLONGED CONTACT WITH CLOTHING SATURATED IN PETROLEUM DISTILLATES CAN CA USE SECOND DEGREE BURNS. CHRONIC: PROLONGED OR REPEATED SKIN CONTACT WITH T

HESE PRODUCTS MAY RESULT

IN IRRITATION AND DERMATITIS. STUDIES OF WORKERS EXPOSED TO ASPHALT HAVE NOT ESTABLISHED AN ASSOCI ATION BETWEEN ASPHALT AND CANCER OR LUNG

Explanation of Carcinogenicity:PETROLEUM ASPHALT. IN MARCH 1987, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) CLASSIFIED EXTRACTS OF STEAM AND AIR REFINED BITUMENS (SUCH AS MINERAL SPIRITS CUTBACK ASPHALT) AS POSSIBLY CAR CINOGENIC TO HUMANS (GROUP 2B). THIS CLASSIFICATION WAS BASED ON COMBINED E

VALUATION OF PUBLISHED
HUMAN AND ANIMAL STUDIES.

Medical Cond Aggravated by Exposure:CHRONIC RESPIRATORY OR SKIN
CONDITIONS MAY WORSEN FROM EXPOSURE TO THESE PRODUCTS.

===== First Aid Measures =====

First Aid:INHALATION: MOVE VICTIM TO FRESH AIR AND CALL MEDICAL CARE.
IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION; IF BREATHING IS
DIFFICULT, GIVE OXYGEN. EYES: IN CASE OF CONTACT WITH MATERIAL,
IMMEDIATELY FLUSH EYES WITH RUNNING WATER
FOR AT LEAST 15 MINUTES.

SEEK IMMEDIATE MEDICAL ATTENTION. SKIN: WASH SKIN WITH SOAP AND
WATER. REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE
SITE. INGESTION: DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN. IF
VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT
ASPIRATION INTO THE LUNGS.

===== Fire Fighting Measures =====

Flash Point:=40.6C, 105.F

Lower Limits:0.5

Upper Limits:7.0

Extinguishing Media:SMALL FIRES: D

RY CHEMICAL, CO2, WATER SPRAY, OR

REGULAR FOAM. LARGE FIRES: WATER SPRAY, FOG, OR REGULAR FOAM. MOVE
CONTAINER FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK.

Fire Fighting Procedures:FIRE MAY PRODUCE IRRITATING OR POISONOUS
GASES. POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA)
AND STRUCTURAL FIREFIGHTERS? PROTECTIVE CLOTHING WILL PROVIDE
LIMITED PROTECTION. KEEP UNNECESSARY PEOPLE AWAY. ISOLATE HAZARD
AREA AND DENY ENTRY. STAY UPWIND; KEEP OUT OF LOW AREAS. I

SOLATE

FOR 1/2 MILE.

Unusual Fire/Explosion Hazard:FLAMMABLE/COMBUSTIBLE MATERIAL. MAY BE
IGNITED BY HEAT, SPARKS, OR FLAMES. VAPORS MAY TRAVEL TO A SOURCE
OF IGNITION AND FLASH BACK CONTAINER MAY EXPLODE IN HEAT OF FIRE.
VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS, OR IN SEWERS. RUNOFF TO
SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

===== Accidental Release Measures =====

Spill Release Procedures:SHUT OFF IGNITION SOURCES; NO FLARES; SMOKING
OR FL

AMES IN HAZARD AREA. STOP LEAK IF YOU CAN DO IT WITHOUT RISK.

LARGE SPILLS: TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT AND PLACE INTO CONTAINERS FOR LATER DISPOSAL. SMALL SPILLS. DIKE FAR AHEAD OF LIQUID SPILL FOR LATER DISPOSAL.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, WELL-VENTILATED AREA. KEEP AWAY FROM FLAMES, SPARKS OR HOT SURFACES. NEVER USE A TORCH TO CUT OR WELD ON OR NEAR CONTAINER.

EMPTY CONTAINER CAN CONTAIN EXPLOSIVE VAPORS. HEATED ASPHALT MAY EMIT HYDROGEN SULFIDE, AN EXTREMELY FLAMMABLE, COLORLESS, HIGHLY TOXIC GAS.

Other Precautions:NEVER WEAR CONTAMINATED CLOTHING. LAUNDRY OR DRY CLEAN AREA BEFORE WEARING. DISCARD OIL-SOAKED SHOES. WASH THOROUGHLY WITH SOAP AND WATER (WATERLESS HAND CLEANER MAY BE HELPFUL IN REMOVING RESIDUES) AFTER USE AND BEFORE SMOKING OR HEATING. AVOID EXCESSIVE SKIN CONTACT.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH-APPROVED RESPIRATOR FOR ORGANIC VAPOR AND TO MIST TO CONTROL EXPOSURE WHERE VENTILATION IS INADEQUATE. IN SITUATIONS WHERE HYDROGEN SULPHIDE MAY EXCEED, THE PEL OR TLV, SUPPLIED AIR RESPIRATORS OR SELF-CONTAINED BREATHING APPARATUS? ARE REQUIRED.

Ventilation:GENERAL AND LOCAL EXHAUST.

Protective Gloves:IMPERVIOUS GLOVES (VITON, PVOH)

Eye Protection:SAFETY GLASSES WITH SIDESHIELDS OR CHEMICAL GOGGLES.

Other Protective

Equipment:IF SPLASHING IS ANTICIPATED, WEAR RUBBER APRON AND BOOTS OR OTHER PROTECTIVE EQUIPMENT TO MINIMIZE CONTACT.

Work Hygienic Practices:HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE INCLUDE AVOIDING ANY UNNECESSARY EXPOSURE AND REMOVAL OF THE MATERIAL FROM THE SKIN, EYES AND CLOTHING.

Supplemental Safety and Health

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===== Physical/Chemical Properties =====

Vapor Density:>1

Spec Gravity:0.89

Evaporation Rate

& Reference: