

MATERIAL SAFETY DATA SHEET
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EMERGENCY PHONE NO.: (FOR SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT): 1-800-535-5053

*****RIP-3 37003*****

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: RIP-3 H.D. Rust Preventative (aerosol)
 PRODUCT DESCRIPTION: A superior quality petroleum-based lubricant and corrosion preventative developed at the request of electrical engineers for truly long-term protection in severe climactic conditions. Excellent for use in marine applications and for protection of all outdoor equipment.
Extremely flammable – not for use on energized equipment!
 RESTRICTIONS: Non-restricted.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT NAME(S)	CAS#	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
Methylene Chloride	75-09-2	25 ppm	2000 mg/kg (Rat)
Naphthenic Petroleum Oil	64742-52-5	5 mg/mg3	N.E.
Aliphatic Mineral Spirits	64742-88-7	100 ppm	N.E.
Petrolatum	68425-34-3	NonHaz.	N.E.
Stoddard Solvent	8052-41-3	100 ppm	N.E.
Isobutane	75-28-5	800 ppm	N.E.
Propane	74-98-6	1000 ppm	N.E.

Carcinogenic: OSHA = No NTP = Yes IARC = Yes*

*Methylene Chloride has been found to cause cancer in certain laboratory animals and therefore may present a risk to humans; it is classified as a (Group 2B) carcinogen by IARC.

SECTION III - PHYSICAL DATA

APPEARANCE: Brown to amber color liquid
 ODOR: Mild hydrocarbon odor
 BOILING POINT: 104 degrees F. (40 degrees C.)
 VAPOR DENSITY (Air = 1): 3
 VAPOR PRESSURE: 2070 mmHg
 SOLUBILITY IN WATER: Nil
 SPECIFIC GRAVITY: 1.0
 EVAPORATION RATE (Ether = 1): 0.5

SECTION IV - FIRE AND EXPLOSION DATA

HMIS RATING: Health – 1, Fire – 3, Reactivity - 0
 FLASH POINT: 120 degrees F. (49 degrees C.) TCC method
 FLAMMABLE LIMITS: LEL: N.E UEL: N.E.

EXTINGUISHING MEDIA: Dry chemical, foam CO2, or water fog.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Spray is extremely flammable; flammable vapors, heavier than air, may travel considerable distances to ignition sources to flash or explode.
 SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear self-contained breathing apparatus and protective clothing. Cool fire-exposed aerosols with water fog.

SECTION V - HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:
Eye Contact: Flush eyes with water for at least 15 minutes. Consult a physician.
Skin Contact: Wash skin with soap and water. If irritation develops or persists, consult a physician.
Inhalation: Remove victim to fresh air, administer oxygen if necessary. If victim has stopped breathing begin CPR. Get immediate medical attention.
Ingestion: Consult a physician immediately. DO NOT induce vomiting unless physician directed. If spontaneous vomiting occurs, keep victim's head below hips to prevent aspiration into the lungs. Get immediate medical attention. Product contains petroleum distillates which are harmful or fatal if swallowed.
 MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Pre-existing skin conditions, liver conditions or kidney conditions.
 PRIMARY ROUTES OF ENTRY: Inhalation, skin and eye contact.
 HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE: Excessive acute overexposures by inhalation of vapor concentrations may cause dizziness, weakness, fatigue, nausea, headache, unconsciousness, or in extreme overexposures, asphyxiation. Long-term, chronic overexposures may result in kidney or liver damage

SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal use and storage conditions.
 HAZARDOUS POLYMERIZATION: Will not occur.
 HAZARDOUS DECOMPOSITION PRODUCTS (under fire conditions): Oxides of carbon, oxides of sulfur.
 INCOMPATIBILITY: Avoid strong oxidizing materials and strong alkalies.
 CONDITIONS TO AVOID: Avoid heat, flame, all potential ignition sources.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove ignition sources, ventilate area. Take up spill on an inert absorbent material and place into a DOT approved closed-top waste container for disposal. Prevent spilled material from entering sewers or drains.
 WASTE DISPOSAL: Dispose of waste or unwanted material in accordance with existing Federal, State and Local environmental regulations. May be reclaimed or incinerated by permitted facilities.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Not normally required; mechanical (general) ventilation is generally adequate. A NIOSH approved positive pressure, air-supplied respirator must be worn if air monitoring indicates industrial worker exposures exceed OSHA's 25 ppm exposure limit established for Methylene Chloride.
 PROTECTIVE GLOVES: Chemical resistant / oil impervious
 EYE PROTECTION: Safety glasses, splash goggles, face shield
 OTHER PROTECTIVE EQUIPMENT: Eye wash station.

(continued on page 2)

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye and skin contact. Avoid excessive inhalation of vapors. Avoid production of mist formations. Use in a well-ventilated environment. Intentional inhalation of contents is harmful and may be fatal.

PRECAUTIONS TO BE TAKEN IN STORING: Store containers below 120°F (48°C), away from heat or ignition sources, open flame, out of direct sunlight.

SECTION X – SHIPPING DATA

U.N/N.A. NUMBER: UN1950

DOT/IATA SHIPPING NAME: (DOT: Aerosols, flammable, (each not exceeding 1L capacity); (IATA): Aerosols, flammable, containing substances in Division 6.1, Packing Group III (each not exceeding 1 L capacity).

DOT/IATA HAZARD CLASS: (DOT): 2.1; (IATA): 2.1, Sub 6.1.

DOT/IATA REQUIRED LABELS: (DOT, ground mode): 2, Flammable gas; (IATA): 2 Flammable gas, 6 Toxic.

DOT EXCEPTION: See Code 49 section 172.101, column (8A). Section 173.306(h) permits "limited quantity" materials (inner packagings which do not exceed 1L capacity / 61 cubic inches and for which internal pressures do not exceed 180 psig at 130 degrees F.) meeting section 171.8 definition of "Consumer commodity" to be renamed "Consumer commodity", reclassified as ORM-D when shipped via ground mode, domestically.

IMDG SHIPPING NAME: Aerosols, flammable, (each not exceeding 1L capacity)

FREIGHT CLASS: NMFC 155250

LTL: 65

TL: 35

MW: 30

T.S.C.A. STATUS: All components listed

PREPARED BY: Roger Hanson

DATE PREPARED: 03-21-00

SUPERSEDES: 02-27-00

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N.E. = NOT ESTABLISHED

N.A. = NOT APPLICABLE