

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT INFORMATION

**Supplier Name**

The Mill-Rose Company  
7310 Corporate Blvd.  
Mentor, OH 44060  
(800) 321-3598

**Emergency Telephone No.**

(800) 321-3598

**Date Prepared:** June 2007

Replaces: June 2003

**Product**

Solvent Naphtha (Petroleum), Aliphatic

**Trade Names and Synonyms**

Rust Buster w/Zoom Spout™

**Emergency Assistance w/Chemicals**

(800) 424-9300 - Chemtrec

## SECTION 2 - CHEMICAL NAME

**Chemical Name:** Solvent Naptha (Petroleum), Medium Aliphatic

**Chemical Family:** Hydrocarbon Solvent

**Acute Health Hazard:** 2

**Fire Hazard:** 2

**Reactivity:** 0

## SECTION 3A - PRODUCT/INGREDIENT

| No. Composition               | CAS#       | Percent |
|-------------------------------|------------|---------|
| P Mineral Spirits 142 Rule 66 | 64742-88-7 | 100%    |

A complex combination of predominately C9-C12 Hydrocarbons; exact composition will vary.

HMIS Hazard Rating: Health: 1 Fire: 2 Reactivity: 0

## SECTION 3B - ACUTE TOXICITY DATA

**No. Acute Oral LD50:** >25 ml/kg (rat)

**Acute Dermal LD50:** >4 ml/kg (rabbit)

**Acute Inhalation LC50:** >700 ppm/4h (rat)

Based on either product or essentially similar product testing

## SECTION 4 - HEALTH INFORMATION

The health effects noted below are consistent with requirements under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Eye Contact:** Liquid is practically non-irritating to the eyes

**Skin Contact:** Liquid is slightly irritating to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.

**Inhalation:** Vapors may cause irritation to nose, throat and respiratory tract. High vapor concentrations may result in central nervous system (CNS) depression.

**Ingestion:** Ingestion of product may result in vomiting, aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

**Signs and Symptoms:** Irritation as noted above. Early to moderate CNS depression may be evi-

denced by giddiness, headache, dizziness and nausea; In extreme cases, unconsciousness and death may occur. Aspiration Pneumonitis may be evidenced by coughing, labored breathing and cyanosis (bluish skin); in severe cases death may occur.

**Aggravated Medical Conditions:** Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

**SECTION 5 - OCCUPATIONAL EXPOSURE LIMITS**

| No. | OSHA    |             | ACGIH   |          | OTHER |
|-----|---------|-------------|---------|----------|-------|
|     | PEL/TWA | PEL/CEILING | TLV/TWA | TLV/STEL |       |
| P*  | 100 PPM |             | 100 PPM |          |       |

\*Recommend that limits for Stoddard Solvent be used as a guide

**SECTION 6 - EMERGENCY AND FIRST AID PROCEDURES**

**Eye Contact:** Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention.

**Skin Contact:** Remove contaminated clothing/shoes. Flush skin with water, follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing.

**Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get Medical Attention.\*

\*Note to Physician: If more than 2.0ml per kg has been ingested and vomiting has not occurred, emesis should be induced with supervision. Keep victims head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

**SECTION 7 - SUPPLEMENTAL HEALTH INFORMATION**

Male rats exposed for 90 days by inhalation to vapors of similar solvents showed evidence of kidney damage. The relevance of this effect to man is unknown. In one of the studies a low grade anemia was also observed.

**SECTION 8 - PHYSICAL DATA**

|  |   |
|--|---|
| <b>Boiling Point:</b> 350-415°F                                    | <b>Specific Gravity (H<sub>2</sub>O=1):</b> 0.79 @ 60°F |
| <b>Vapor Pressure (mm hg):</b> <5 @ 100°F                          | <b>Melting Point:</b> N/A                               |
| <b>Solubility (in water):</b> Negligible                           | <b>Vapor Density (Air=1):</b> 5.3                       |
| <b>Evaporation Rate (Normal Butyl Acetate=1):</b> 0.03             |   |
| <b>Appearance and Odor:</b> Light colored liquid. Hydrocarbon odor |   |

**SECTION 9 - FIRE AND EXPLOSION HAZARDS**

**Flash Point and Methods:** 145°F (TCC)

**Flammable Limits/% Volume in Air:** Lower 1 Upper: 7

**Extinguishing Media:** Use water fog, foam, dry chemical or CO<sub>2</sub>. Do not use a direct stream of water. Product will float and can be reignited on surface of water

**Special Fire Fighting Procedures and Precautions:** Caution. Combustible. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

**Unusual Fire and Explosion Hazards:** Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

## SECTION 10 - REACTIVITY

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Conditions and Materials to Avoid:** Avoid heat, flame and contact with strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon Monoxide and unidentified organic compounds may be formed during combustion.

## SECTION 11 - EMPLOYEE PROTECTION

**Respiratory Protection:** Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits (see section 5) use a NIOSH-approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

**Protective Clothing:** Avoid contact with eyes. Wear safety glasses or goggles as appropriate. Avoid prolonged or repeated contact with skin. Wear chemical-resistant gloves and other clothing as required to minimize contact. Test data from published literature and/or glove and clothing manufacturers.

**Additional Protective Measures:** Best Protection is provided by nitrile material. Use explosion-proof ventilation as required to control vapor concentrations. Air-dry contaminated clothing in a well ventilated area then launder before reusing.

## SECTION 12 - ENVIRONMENTAL PROTECTION

**Spill or Leak Procedures:** Caution. Combustible.

**Large Spills:** Eliminate potential sources of ignition. Wear appropriate respirator and other protective clothing. Shut off source of leak only if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers and seal tightly for proper disposal. Flush area with water to remove trace residue; dispose of flush solution as above.

**Small Spills:** Take up with an absorbent material and place in non-leaking containers for proper disposal.

## SECTION 13 - SPECIAL PRECAUTIONS

Keep liquid and vapor away from heat, sparks and flame. Surfaces that are sufficiently hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Vapors may accumulate and travel to ignition sources distant from the handling site; flash-fire can result. Keep containers closed when not in use. Use with adequate ventilation.

Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize drum containers to empty them.

Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment.

Wash with soap and water before eating, drinking, smoking, applying cosmetics or using toilet facilities. Launder contaminated clothing before reuse. Air-dry contaminated clothing in a well ventilated area before laundering.

**SECTION 14 - TRANSPORTATION REQUIREMENTS**

**Department of Transportation Classification:** Combustible Liquid, III

The DOT information in this section is based upon an evaluation of the product against the requirements of 49 CFR 172 & 173 as revised by HM-181.

**DOT Proper Shipping Name:** Petroleum Distillate, N.O.S.

**Other Requirements:** UN1268, Guide 27. Not regulated by DOT. If in a container of 119 gallon capacity or less.

**SECTION 15 - OTHER REGULATORY CONTROLS**

This product is listed on the EPA/TSCA inventory of chemical substances.

Protection of stratospheric ozone (pursuant to section 611 of the Clean Air Act Amendments of 1990); per 40 CFR part 82, this product does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

In accordance with Sara Title III, Section 313, the attached Environmental Data Sheet (EDS) should always be copied and sent with the MSDS.

**SECTION 16 - STATE REGULATORY INFORMATION**

Based on information available to the vendor, this product does not contain any chemical substance regulated by a specific state list.

**SECTION 17 - SPECIAL NOTES**

**•••ENVIRONMENTAL DATA SHEET 7653-00•••**

Product Name: Rust Buster w/Zoom Spout  
Product Code: 70703

**PRODUCT COMPOSITION**

| No Composition  | CAS        | Percent |
|---|------------|---------|
| P Mineral Spirits 142 Rule 66   | 64742-88-7 | 100     |
| A complex combination of predominately C9-C12 Hydrocarbons, exact composition will vary |            |         |

**SARA TITLE III INFORMATION**

**EHS RQ (lbs):** Reportable quantity of extremely hazardous substance, Sec 302

**EHS TPQ (lbs):** Threshold planning quantity, extremely hazardous substance, Sec 302

**SEC-313:** Toxic chemical, Sec 313

**313 Category:** Category as required by Sec 313 (40 CFR 372.65C) must be used on toxic release inventory form

**311/312 Category:** Hazard category for Sara Sec 311/312 Reporting:

Health: H-1 = Immediate (acute) health hazard

H-2 = Delayed (chronic) health hazard

Physical: P-3 = Fire Hazard

**ENVIRONMENTAL RELEASE INFORMATION**

Under EPA-CWA, this product is classified as an oil under section 311. Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center, (800) 424-8802.

**RCRA INFORMATION**

If this product becomes a waste, it would not be hazardous waste by RCRA Criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local regulations

**NOTICE FROM THE MILL-ROSE COMPANY**

*The information in this Material Safety Data Sheet (MSDS) relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. We believe that the information contained herein is current as of the date of the MSDS. Since use of this information and these opinions and the conditions of use of the product are not within the control of The Mill-Rose Company, it is the user's obligation to determine the conditions of safe use of the product.*