

ROS 10163001

#101620 (RSE430)

ROSE MINERAL SPIRITS

May 31, 1989 (rev.)

MATERIAL SAFETY DATA SHEET

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This document is prepared pursuant to the OSHA Communication Standard (29 CFR 1910.1200). In addition, other substances not "hazardous" per this standard may be listed. Where a proprietary ingredient is indicated, the identity may be made available as provided in this standard.

SECTION I

PRODUCT IDENTIFICATION/GENERAL INFORMATION

Medical or Transportation Emergency Phone Number: (614) 443-4749
Telephone Number for Information: See below.

Product Identity: ROSE MINERAL SPIRITS

Manufactured by:
Rose Products & Services, Inc.
545 Stimmel Road
Columbus, Ohio 43223-2901
(614) 443-7447
FAX (614) 443-2771

Distributed by:
Rose Products & Services, Inc.
545 Stimmel Road
Columbus, Ohio 43223-2901
(614) 443-7447
FAX (614) 443-2771

DOT Proper Shipping Name: Combustible Liquid, NDB.

DOT Hazard Class: Combustible.
DOT Labels Required: None.

DOT I.D. Number: NA1993.

NFPA Ratings: H=0 F=2 R=0 S=-

HMS Ratings: H=0 F=2 R=0 PPE=B

Date Prepared: May 31, 1989.

Supersedes: Undated.

SECTION II

INGREDIENTS/IDENTITY INFORMATION

This section lists components which are present in concentrations of 1.0% or more except carcinogens, which are listed if present in concentrations of 0.1% or more. Components subject to the reporting requirements of SARA Title III, Section 313 are listed in exact weight/weight percentages.

| Component | CAS # | % W/W | Exposure Limits | | | |
|---|-----------|-------|---|------|------|-------|
| | | | Value | Unit | Type | Auth |
| *-----* | | | | | | |
| Aliphatic hydrocarbons (stoddard type) | 6052-41-3 | > 95 | 100 | ppm | FEL | OSHA |
| | | | 100 | ppm | TLV | ACGIH |
| | | | Note: NIOSH recommends a limit of 350 mg/cum - 8 hour time weighted average, 1800 mg/cum as determined by a 15 minute sample. | | | |

NA = Not applicable. NE = Not established. NL = Not listed.

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SECTION III

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 984°F. Specific Gravity (H2O = 1): 0.770.
 Vapor Pressure (mm Hg): 2.00 @ 68°F. Melting Point: NA.
 Vapor Density (Air = 1): 4.9. Evaporation Rate: 70.0.
 Solubility in Water: Insoluble. (Ether = 1)
 Appearance and Odor: Clear colorless, free-flowing liquid with character-
 istic stoddard solvent type odor.

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 100°F. Flammable Limits: LEL = 1.0% UEL = NL

Extinguishing Media: Dry chemical, carbon dioxide, regular foam.

Special Fire Fighting Procedures: Wear protective clothing and self-contained breathing apparatus with full facepiece operated in a positive-pressure demand mode. Cool containers with water to prevent rupture.

Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling points.

SECTION V

REACTIVITY DATA

Stability: Stable. Conditions to Avoid: None.

Incompatibility (Materials to Avoid): Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Oxides of carbon, and various hydrocarbons in a fire.

Hazardous Polymerization: NA Conditions to Avoid: None.

SECTION VI

HEALTH HAZARD DATA

Routes of Entry Health Hazards (Acute and Chronic)

Eyes: Contact. Can cause severe irritation, redness, tearing, blurred vision.

Skin: Contact. Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Inhalation: As vapor. Prolonged breathing of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness,

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SECTION VI, Continued

HEALTH HAZARD DATA

Routes of Entry

Health Hazards (Acute and Chronic)

Inhalation,
continued:fatigue, nausea, headache and possible uncon-
sciousness, and even death.

Ingestion: Acute.

Can cause gastrointestinal irritation, nausea,
vomiting, and diarrhea. Aspiration of material
into the lungs can cause chemical pneumonitis,
which can be fatal.

Carcinogenicity:

No components listed in NTP, IARC or OSHA(2).

Signs and Symptoms of Exposure

Eyes: Irritation, redness, tearing, blurred vision.

Skin: Irritation, dermatitis.

Inhalation: Coughing, wheezing, respiratory tract irritation, dizziness,
fatigue, nausea, headache, possible unconsciousness.

Ingestion: Gastrointestinal irritation, nausea, vomiting, diarrhea.

Medical Conditions Generally Aggravated by Exposure: NE

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with plenty of clean water for at least 15 minutes,
lifting eyelids. Get medical attention immediately.Skin: Thoroughly wash area with soap and water. If irritation
persists, get medical attention.Inhalation: Remove victim to fresh air. If breathing has stopped, give
artificial respiration. Call a physician immediately.Ingestion: Do not induce vomiting. Keep victim warm, quiet and call a phy-
sician immediately. Aspiration of material into the lungs due
to vomiting can cause chemical pneumonitis, which can be fatal.

SECTION VII

PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case
Material is Released or
Spilled:Observe precautions listed in other sections.
Isolate leaking containers. Dike area and
recover by using absorbent or by mechanical
means. Wash area with a detergent solution.

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SECTION VII, Continued

PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Waste Disposal Method:

Small quantity - allow volatile portion to evaporate in hood, allowing time for vapors to clear ductwork. Large amounts - dispose of by incineration in accordance with federal, state and local regulations.

Precautions to Be Taken
in Handling and Storage:

Store in a secure area away from water, food, feed, drugs or clothing. Protect from temperature extremes. Keep container closed when not in use.

Other Precautions:

Empty containers retain residues and may be hazardous. Never use a welding torch on or near container (even empty) because material (even residues) can ignite explosively. Do not reuse empty container, offer for reconditioning or recycling.

SECTION VIII

CONTROL MEASURES

Respiratory Protection:

If TLV cannot be controlled by ventilation, wear a NIOSH/MSHA approved respirator.

Ventilation:

Local exhaust meeting ACGIH criteria as needed to control vapor or spray mist.

Protective Gloves:

Rubber, vinyl or neoprene.

Eye Protection:

Chemical splash eyewear.

Other Protective Equipment:

Wear impervious clothing as necessary to prevent contact with material.

Work/Hygenic Practices:

Wash thoroughly after handling. Launder contaminated clothing before reuse.

The information contained herein represents current data and best opinion as to the proper use and handling of this material under normal circumstances. Any use of this material which is not in conformance with this Material Safety Data Sheet and the product label, or involves the use of this material in combination with any other material or process, is the responsibility of the user.

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