

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT AND COMPANY IDENTIFICATION

COMMON NAME

827 Red Oil

PRODUCT FILE NUMBER

920:405-923RO-9

MANUFACTURER'S NAME

Meriam Instrument

ADDRESS

10920 Madison Ave.

CITY, STATE, ZIP

Cleveland, Ohio 44102

PRODUCT MODEL NUMBER

923RO

PRODUCT USE

Indicating Fluid

EMERGENCY PHONE NUMBERS

1-800-255-3924 (US), + 01 813 248 0585 (International)

ENGINEERING CONTROL DATA

MSDS - A35793-1, Rev. N, EO 7393

Drawing – A35312

DATE PREPARED

05-Nov-2014

SECTION II HAZARDS IDENTIFICATION

ACUTE

EYES

May cause moderate irritation, redness, and tearing.

SKIN CONTACT

May cause slight irritation. May cause severe irritation with repeat or prolonged contact.

INGESTION

May cause irritation to stomach and intestines. May cause vomiting, sedation, central nervous system depression, coma or death.

INHALATION

May cause irritation of nasal and respiratory passages. May cause nausea, vomiting, diarrhea, and drowsiness. May be aspirated into the lungs if swallowed which can be fatal.

CHRONIC

CHRONIC EFFECTS OF EXPOSURE

May cause blood changes possibly leading to aplastic anemia. May cause liver damage. Kidney damage in laboratory animals has been reported. No comparable health effects is known to humans.

SECTION III COMPOSITION/INFORMATION ON INGREDIENTS

1. Chemical Name: Deodorized Kerosene
CAS No: 8008-20-6
OSHA/PEL: NE*
ACGIH/TLV: 200 mg/m³ as mist
% : >49

2. Chemical Name: Hydrotreated Petroleum Oil
CAS No: 64742-565-0
OSHA/PEL: 5mg/m³ as mist
ACGIH/TLV: 5mg/m³ as mist
% : >49

3. Chemical Name: 1-Chloronaphthalene
CAS No: 90-13-1
OSHA/PEL: NE*
ACGIH/TLV: NE*
% : <1

4. Chemical Name: Red Dye
CAS No: 4477-79-6
OSHA/PEL: NE*
ACGIH/TLV: NE*
% : Trace

* NE= Not Established

SECTION IV FIRST AID MEASURES

EYES

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

SKIN CONTACT

Remove contaminated clothing and wash off skin with soap and water. Wash contaminated clothes. If irritation develops, contact a physician.

INHALATION

Remove from exposure. If illness or adverse symptoms develop seek medical attention.

INGESTION

DO NOT INDUCE VOMITING. Seek medical attention immediately.

SECTION V FIRE FIGHTING MEASURES

<u>FLASH POINT</u>	<u>METHOD USED</u>	<u>FLAMMABLE LIMITS (in Air % by Vol.)</u>	<u>LEL</u>	<u>UEL</u>
142° F	Closed Cup		1.1	6.0
<u>AUTO-IGNITION TEMPERATURE</u>	<u>EXTINGUISHER MEDIA</u>			
NA	CO ₂ , Dry Chemical			

SPECIAL FIRE FIGHTING PROCEDURES

Do not extinguish with water. Evacuate area of all unnecessary personnel. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Carbon oxides, toxic fumes of chlorides, and various hydrocarbons formed when burned.

SECTION VI ACCIDENTAL RELEASE MEASURES

RESPONSE TO SMALL SPILLS

Absorb with non-combustible absorbent material. Dispose of properly, prevent from entering sewers. The product is a non-hazardous waste when spilled material is disposed of defined in Resource Conservation Recovery Act (RCRA) regulations (40CFR261).

WASTE DISPOSAL

Place in an appropriate disposal facility in compliance with Federal, State, and Local regulations.

SECTION VII HANDLING AND STORAGE

HANDLING AND STORAGE: Skin and eye contact should be avoided as good industrial practice. Wearing of protective gloves and eye protection is recommended. Wash hands and contaminated skin area after handling. Follow all warnings and precautions even after container is emptied. Wash thoroughly after handling or at the end of the shift.

OTHER PRECAUTIONS: Store in cool dry place away from strong oxidizers and acids. Keep container tightly closed when not in use. All handling equipment should be properly grounded to prevent the build-up of electrostatic charges. Storage area should be equipped with CO2 system. Handle in accordance with good industrial hygiene and safety practices.

SECTION 7 NOTES: Containers should not be opened until ready for use. Use clean non-sparking equipment and tools when handling.

SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION

Not typically required. If exposure exceeds permissible exposure limits wear a self-contained breathing apparatus in compliance with NIOSH/MSHA specifications. Comply with 29CFR 1910.134.

VENTILATION

General (mechanical) room ventilation is generally satisfactory. Special, local ventilation may be needed at points where vapors can be expected to exceed exposure limits.

PROTECTIVE GLOVES

For the best protection wear nitrile, neoprene, PVC or natural rubber gloves. Wear additional protective garments were necessary.

EYE PROTECTION

Wear chemical goggles if there is likelihood of contact with eyes.

ADDITIONAL PROTECTIVE CLOTHING OR EQUIPMENT

Boots, aprons, or chemical suits should be used when necessary to prevent skin contact. Eye wash fountains and safety showers should be available for emergency use.

SECTION IX PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT

232F – 370F

VAPOR DENSITY (AIR=1)

NE

EVAPORATION RATE (BuAc=1)

NE

APPEARANCE & ODOR

Red, Mild odor

SPECIFIC GRAVITY (H₂O=1)

0.827 @ 15.1°C

SOLUBILITY IN WATER

Negligible

MELTING POINT

NE

VAPOR PRESSURE (20°C)

1 mmHg

REACTIVITY IN WATER

NA

pH

NA

SECTION X STABILITY AND REACTIVITY

STABILITY

Stable

CONDITION TO AVOID

Avoid exposure to heat

INCOMPATIBILITY (Materials to Avoid)

Oxygen and strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides and various hydrocarbons may be formed during combustion.

HAZARDOUS POLYMERIZATION

Will not occur

CONDITIONS TO AVOID

NA

SECTION XI TOXICOLOGICAL INFORMATION

Acute Effects: Inhalation: High vapor concentrations may produce headache, giddiness, vertigo, and anesthetic stupor.

Chronic Effects: Skin Contact: Produces skin irritation upon prolonged or repeated exposures.

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program

NO

I.A.R.C. Monographs

NO

OSHA

NO

SECTION XII ECOLOGICAL INFORMATION

Ecotoxicity: Liquid can be toxic to aquatic life.

Persistence/Degradability: Not Provided

Bioaccumulation/Accumulation: Not Provided

Mobility in Environment: Not Provided

SECTION XIII DISPOSAL CONSIDERATIONS

Disposal: Dispose of all cleanup materials in accordance with all Local, State, and Federal regulations.

SECTION XIV TRANSPORT INFORMATION

Proper Shipping Name: Kerosene
Hazard Class or Division: 3
Identification Number: UN1223
Packing Group: III
Packing Authorization: D.O.T. 49 CFR 173.150 & 173.203
IATA Packing Instructions: 309

SECTION XV REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not Provided

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 355) as Extremely Hazardous Substances.

SARA Section 304 CERCLA Hazardous Substances: This product does not contain any components regulated under section 304 (40 CFR 370) as hazardous chemicals for emergency release.

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370) as:

Acute Health Hazard
Fire Hazard

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any components listed on the Section 313 Toxic Chemical List.

Clean Water Act CWA – Priority Pollutants: Not Provided

STATE REGULATIONS: California Proposition 65: Not Provided

INTERNATIONAL REGULATIONS: Not Provided

SECTION XVI OTHER INFORMATION

- THIS PRODUCT IS FOR INDUSTRIAL AND LABORATORY USE ONLY.
 - Do not store in open, unlabeled or mislabeled containers.
 - Store in cool, dry place with adequate ventilation.
 - Keep away from flames and high temperatures.
 - For personal hygiene protection, we recommend that employees wash thoroughly after handling product. Always wash up before eating, smoking, and using toilet facilities.
 - Keep out of reach of children.
 - HMIS rating HEALTH - 2 FLAMMABILITY - 2 REACTIVITY - 1
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