

# MATERIAL SAFETY DATA SHEET

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## SECTION I PRODUCT AND COMPANY IDENTIFICATION

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**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**

1-800-424-9300 (US), 1-703-527-3887 (International)

**ENGINEERING CONTROL DATA**

MSDS - A35793-1, Rev. M, EO 7138

Drawing - A35312

**DATE PREPARED**

12/11/2012

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## SECTION II HAZARDS IDENTIFICATION

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**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.

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## SECTION III COMPOSITION/INFORMATION ON INGREDIENTS

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- 1. Chemical Name:** Deodorized Kerosene  
**CAS No:** 8008-20-6  
**OSHA/PEL:** NE\*  
**ACGIH/TLV:** 200 mg/m<sup>3</sup> as mist  
**% :** >49
- 2. Chemical Name:** Hydrotreated Petroleum Oil  
**CAS No:** 64742-565-0  
**OSHA/PEL:** 5mg/m<sup>3</sup> as mist  
**ACGIH/TLV:** 5mg/m<sup>3</sup> 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

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## SECTION IV FIRST AID MEASURES

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### 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.

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## SECTION V FIRE FIGHTING MEASURES

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<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 <sub>2</sub> , 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.

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## SECTION VI ACCIDENTAL RELEASE MEASURES

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### **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.

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## SECTION VII HANDLING AND STORAGE

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**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.

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## SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

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### **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 where 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.

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## SECTION IX PHYSICAL & CHEMICAL PROPERTIES

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**BOILING POINT**

232F – 370F

**VAPOR DENSITY (AIR=1)**

NE

**EVAPORATION RATE (BuAc=1)**

NE

**APPEARANCE & ODOR**

Red, Mild odor

**SPECIFIC GRAVITY (H<sub>2</sub>O=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

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## SECTION X STABILITY AND REACTIVITY

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**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

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## SECTION XI TOXICOLOGICAL INFORMATION

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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

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## SECTION XII ECOLOGICAL INFORMATION

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**Ecotoxicity:** Liquid can be toxic to aquatic life.

**Persistence/Degradability:** Not Provided

**Bioaccumulation/Accumulation:** Not Provided

**Mobility in Environment:** Not Provided

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## SECTION XIII DISPOSAL CONSIDERATIONS

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

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## SECTION XIV TRANSPORT INFORMATION

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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

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## SECTION XV REGULATORY INFORMATION

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**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

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## SECTION XVI    OTHER INFORMATION

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- 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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### **DISCLAIMER OF LIABILITY**

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of the results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. User of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS. It is the responsibility of the user to comply with all applicable federal, state, local laws and regulations.

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