

Safety Data Sheet

Section 1

Product and Company Identification

Common Name

100 Red Unity Oil

Product Model Number

923RU

Product File Number

920:405-923RU-11

Product Use

Indicating Fluid

Manufacturer's Name

Meriam

Emergency Phone Numbers

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

Address

10920 Madison Ave.

Engineering Control Data

MSDS - A35797-1, Rev. P, EO 7519

Drawing - A35313

City, State, Zip

Cleveland, Ohio 44102

Date Prepared

23-Nov-2015

Section 2

Hazards Identification

Classification of the substance or mixture

Acute toxicity, Oral

Category 4

Acute toxicity, Inhalation

Category 2

Aspiration hazard,

Category 1

Skin corrosion/irritation,

Category 2

Serious eye damage/eye irritation,

Category 2B

Specific target organ toxicity-single exposure,

Category 3 Respiratory system

Acute aquatic toxicity,

Category 1

Chronic aquatic toxicity,

Category 1

Pictogram:



Signal word:

WARNING.

Hazard statements

H304	May be fatal if swallowed and enter airways.
H315	Causes skin irritation.
H330	Fatal if inhaled.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear eye protection/face protection.
P280	Wear protective gloves.
P301 + P312 + P330	If swallowed: <ul style="list-style-type: none">• Call a Poison Center or doctor/physician if you feel unwell.• Rinse mouth.
P302 + P352	If on skin: <ul style="list-style-type: none">• Wash with plenty of soap and water.
P304 + P340 + P312	If inhaled: <ul style="list-style-type: none">• Remove victim to fresh air and keep at rest in a position comfortable for breathing.• Call a Poison Center or doctor/physician if you feel unwell.
P305 +P351 + P338	If in eyes: <ul style="list-style-type: none">• Rinse cautiously with water for several minutes.• Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: <ul style="list-style-type: none">• Get medical advice/attention.
P337 + P313	If eye irritation persists: <ul style="list-style-type: none">• Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.
P403 + P233	<ul style="list-style-type: none">• Store in a well-ventilated place.• Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.
Hazards not otherwise classified:	None.

Section 3

Composition/Information on Ingredients

1. Chemical name: 1-Chloronaphthalene

CAS No: 90-13-1

OSHA/PEL: NA

ACGIH/TLV: NA

% : 55

2. Chemical name: Hydrotreated Petroleum Oil

CAS No: 64742-65-0

OSHA/PEL: 5 mg/m³ as mist

ACGIH/TLV: 5 mg/m³ as mist

% : 45

3. Chemical name: Red Dye

CAS No: 4477-79-6

OSHA/PEL: NE*

ACGIH/TLV: NE*

% : Trace

* Not established.

Section 4

First Aid Measures

Eye contact:

- Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open.
- If contact lens is present, **do not** delay irrigation or attempt to remove lens.
- Get medical attention if irritation develops and persists.
Ophthalmologist.

Skin contact:

- Wash off with soap and plenty of water.
- If skin irritation occurs, get medical advice/attention.

Inhalation:

- If product mist or vapor causes respiratory or distress, move the exposed person to fresh air immediately.
- If breathing is difficult or irregular, administer oxygen.
- If respiratory arrest occurs, start artificial respiration by trained personnel.
- Loosen tight fitting clothing such as collar, tie, belt or waistband.
- Seek immediate medical attention.

- Ingestion:**
- Rinse mouth with water if victim is conscious.
 - Remove dentures if present.
 - Do not induce vomiting unless directed to do so by medical personnel.
 - If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
 - Never give anything by mouth to an unconscious or convulsing person.
 - Immediately call a **Poison Center** or doctor.

Section 5 Fire Fighting Measures

Extinguishable media

- Suitable methods of extinction:**
- Foam, Carbon dioxide (CO₂).
 - Water fog, Dry chemical.

Unsuitable methods of extinction: Water jets and high pressure may spread the fire.

- Special hazards arising from the substance or mixture:**
- Fire may produce irritating, corrosive and/or toxic gases including carbon oxides, hydrogen chloride gas.

- Unusual fire hazards:**
- Carbon oxides, toxic fumes of chlorides, formed when burned.
 - In the event of fire and or explosion do not breathe fumes.

- Advice for firefighters:**
- In case of fire and/or explosion, do not breath fumes.
 - Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
 - Move containers from fire area if you can do so without risk.
 - Do not get water inside container.
 - Some of these material, if spilled, may evaporate leaving a flammable residue.

Section 6 Accidental Release Measures

- Personal precautions, protective equipment, and emergency procedures:**
- Keep unnecessary personnel away.
 - Keep upwind.
 - Keep out of low areas.
 - Ventilate closed spaces before entering them.
 - Do not touch or walk through spilled material.
 - Avoid breathing vapors, mist or gas.

- Methods and materials for containment and clean up:**
- Stop the flow of material, if this is without risk.
 - Absorb with non-combustible absorbent material like vermiculite, sand or earth to soak up product and place in container for later disposal.

- Environmental precautions:**
- Do not let product enter drains.
 - Discharge into environment must be avoided.
 - If this material is spilled into navigable waters and creates a visible sheen, it is reportable tot the National Response Center.

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- Waste disposal:**
- Place in an appropriate disposal facility in compliance with federal, state, and local regulations.
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Section 7 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:**
- Keep container tightly closed when not in use.
 - Store in a dry well ventilated place.
 - Containers which are opened must be carefully resealed and kept upright to prevent leakage.
 - Keep away from sources of ignition.

- 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 8 Exposure Controls/Personal Protection

- Engineering Controls:**
- All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).
 - Wash hands before breaks and at the end of workday.

- Eye/face protection:**
- Wear chemical goggles or face shield if there is likelihood of contact with eyes.
 - Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
 - Eyewash fountains and safety showers should be available for emergency use.

- Protective gloves:**
- For the best protection wear compatible chemical resistant gloves.
 - Contact the supplier of CE approved gloves

- Additional Protective Clothing Or Equipment:**
- Wear additional protective garments were necessary.
 - The type of protective equipment must be selected according to the concentration and amount of dangerous substance at the particular workplace.
 - Boots, aprons, or chemical suits should be used when necessary to prevent skin contact.

- Respiratory protection:**
- Not typically required.
 - If exposure exceeds permissible exposure limits wear a self-contained breathing apparatus in compliance with NIOSH (US) or CEN (EU)

- 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.

- Control of environmental exposure:**
- Prevent further leakage or spillage if safe to do so.
 - Do not let the product enter drains.
 - Discharge into the environment must be avoided.
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Section 9

Physical and Chemical Properties

Appearance	Liquid
Color	Red
Odor	Moth ball odor
Odor threshold	No data available
PH	No data available
Specific gravity	1.00 at 22.6 °C
Melting point/freezing point	Data unavailable
Boiling point	111 °C (231 °F)
Flash point	Data unavailable.
Evaporation rate	No data available.
Flammability	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Water solubility	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.
Solubility in water	No data available.

Section 10

Stability and Reactivity

Stability:	Stable under normal conditions.
Reactivity:	No data available.
Conditions to avoid:	High temperature and open flame.
Possibility of hazardous reactions:	<ul style="list-style-type: none">• None under normal application/processing.• Hazardous polymerization does not occur.
Incompatible (Materials to avoid):	Strong oxidizing agents.
Hazardous decomposition products:	Carbon oxides, various hydrocarbons and Hydrogen Chloride gas may be formed during combustion.
Hazardous polymerization:	Will not occur.

Section 11

Toxicological Information

Acute toxicity

Product:

Acute oral Toxicity: No data available.

Acute inhalation toxicity: No data available.

Acute dermal toxicity: No data available.

Components: distillates (petroleum)

Acute oral Toxicity: LD50 (rat): > 2 000 mg/kg

Acute inhalation toxicity: LC50 (Rat): 4.1 mg/L

Acute dermal toxicity: LD50 (Rabbit) : > 5 000 mg/kg

Skin corrosion/irritation: No data available.

Serious eye damage/eye irritation: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: Data unavailable.

Reproductive toxicity: No data available.

STOT - single exposure: Inhalation-may cause respiratory irritation.

STOT – repeated exposure: No data available.

Aspiration hazards: No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12

Ecological Information

Toxicity

Toxicity to fish: LC50 – *Lepomis macrochirus* – 2.3 mg/L – 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 – *Daphnia magna* (Water flea) – 0.81 mg/L – 48 h

Persistence and degradability: No data available.

Bio accumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects:

- An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
- Very toxic to aquatic life.

Section 13

Disposal Considerations

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

Do not flush to surface water or drains.

Section 14

Transport Information

DOT (US)	Not dangerous goods.
Proper Shipping Name:	N/A.
Hazard Class or Division:	N/A.
Identification Number:	N/A.
Packing Group:	N/A.
Packing Authorization:	N/A.
IATA Packing Instructions:	N/A.

Section 15

Regulatory Information

Safety, health and environmental regulations specific for substances or mixtures

US Federal Regulations

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

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 313 Toxic Chemical List (TCL) This product does not contain greater than 1.0 % of the substances subject to the reporting requirements of Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 and 40 CFR.

TSCA (Toxic Substance Control Act) Data unavailable.

US State Regulations:

California Proposition 65: Data unavailable.

Pennsylvania Right to Know Components: 1-Chloronaphthalene, CAS# 90-13-1

New Jersey Right to Know Components: 1-Chloronaphthalene, CAS# 90-13-1

International regulations: Not provided.

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.
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- HMIS® rating: HEALTH - 2 FLAMMABILITY - 2 REACTIVITY - 1.
 - NFPA rating: HEALTH - 2, FLAMMABILITY -1, REACTIVITY - 0
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Disclaimer of Liability

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