

DATE PREPARED: 01/07/2003

MSDS No: M188-500ML

1. PRODUCT AND COMPANY IDENTIFICATION**PRODUCT DESCRIPTION:** Methyl Orange Solution, 500ml container**PRODUCT CODE:** M188-500ML**MANUFACTURER**

Hudson Supply Company

4500 Lee Rd

Cleveland, OH 44128-2959

Customer Service: (800) 486-0480**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (U.S.):** (800) 424-9300**Emergency Phone:** (800) 424-9300**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Methyl Orange	<1	547-58-0
Water	99	7732-16-5

COMPONENTS :**EXPOSURE LIMITS**

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Methyl Orange			
Water			

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

IMMEDIATE CONCERNS: This chemical is relatively non-hazardous. It is not expected to present significant health risk. Although unlikely, if ingested in high concentrations may be toxic.

POTENTIAL HEALTH EFFECTS

EYES: Harmful to eyes. Direct contact with this material causes eye irritation. symptoms may include stinging, tearing, redness and swelling.

SKIN: May cause significant irritation to the skin.

INGESTION: Irritant to dangerous.

INHALATION: Irritant

ACUTE EFFECTS: Irritation

SUBCHRONIC/CHRONIC TOXICITY

CHRONIC: None known.

CARCINOGENICITY: Not Listed by NTP

Not listed by IARC

Not listed by OSHA

MEDICAL CONDITIONS AGGRAVATED: None Expected.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Get medical attention.

SKIN: Wash thoroughly with soap and water.

INGESTION: Induce vomiting. dilute with water. Never give anything by mouth to anyone who is unconscious or convulsing. Get medical attention.

INHALATION: Remove individual to fresh air. Keep person calm. If breathing is difficult, administer oxygen and get proper medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable

FLAMMABLE LIMITS: N/A to N/A

AUTOIGNITION TEMPERATURE: Not Applicable

EXTINGUISHING MEDIA: Any media for the surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: None known.

FIRE FIGHTING EQUIPMENT: Fire fighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke or vapors.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Soak up spilled material with paper towels and discard in trash.

LARGE SPILL: Dike far ahead of the spill. Cover with dry earth, sand, or non-combustible material.

7. HANDLING AND STORAGE

HANDLING: Wear safety glasses, goggles, or face shield, safety gloves, personal protective clothing, or respirator as required in section 8 of this MSDS.

STORAGE: Store in unopened containers under cool and dry conditions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient local exhaust and general ventilation to maintain exposure below PEL(s), especially for spraying operations which produce mists.

PERSONAL PROTECTION

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved air supplied respirator in absence of proper environmental control.

WORK HYGIENIC PRACTICES: Good personal hygiene practices should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Odorless

APPEARANCE: Clear

COLOR: Colorless

pH: Not Applicable

PERCENT VOLATILE: Not Applicable

VAPOR PRESSURE: 14 mmHg

VAPOR DENSITY: 0.7 (Air=1)

BOILING POINT: 100°C (212°F)

FREEZING POINT: Not Applicable

MELTING POINT: Not Applicable

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: Not Applicable

DENSITY: Not Applicable

SPECIFIC GRAVITY: 1 (water=1)

VISCOSITY: Not Applicable

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Heat.

POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION: Sharp, acrid fumes and gases such as: NoX, SoX

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

IARC: Not listed by IARC

NTP: Not Listed by NTP

OSHA: Not listed by OSHA

MUTAGENICITY: Not Listed

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Applicable

ECOTOXICOLOGICAL INFORMATION: Not Applicable

CHEMICAL FATE INFORMATION: Not Applicable

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: In compliance with Federal, State and local regulations for landfills.

FOR LARGE SPILLS: Contain material and call local authorities for emergency assistance. In consultation with the appropriate authorities, determine the disposal method or contact the manufacturer.

14. TRANSPORT INFORMATION

COMMENTS: Not Applicable

15. REGULATORY INFORMATION

GENERAL COMMENTS: Not Applicable

16. OTHER INFORMATION

APPROVED BY: David C. Dillon **TITLE:** Systems Administrator

APPROVAL DATE: 01/07/2003

REVISION SUMMARY New MSDS

NFPA CODES

FIRE: 0 **HEALTH:** 0 **REACTIVITY:** 0

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