

MATERIAL SAFETY DATA SHEET

METRICIDE OPA PLUS

1 - IDENTIFICATION

Marketed by: Metrex Research Corporation
Address: 28210 Wick Road
City, State, Zip: Romulus, MI 48174
Telephone: 1-800-841-1428
Emergency: Chemtrec 1- 800-424-9300
Date Prepared: August 2007

2 - COMPOSITION INFORMATION

Ingredients

	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>%</u>
<i>ortho</i> -Phthalaldehyde	643-79-8	N/D	N/D	<1

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212 °F
Specific Gravity (H₂O = 1): >1.000
Vapor Pressure (mm Hg): Same as water
Vapor Density (AIR = 1): Same as water
Solubility in Water: Soluble
Appearance and Odor: Clear bluish green solution with a slight odor
pH: 7.0 – 7.8

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Flammable Limits: LEL: N/A UEL: N/A
Extinguishing Media: N/A
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

5 - REACTIVITY DATA

Stability: Stable solution
Conditions to Avoid: Avoid high temperatures above 100 °C (212 °F) and direct sunlight.
Incompatibility (Material to Avoid): Acids, alkalines and strong oxidizing agents
Hazardous Decomposition Byproducts: None known
Hazardous Polymerization: Will not occur

6 - HEALTH HAZARD DATA

Routes of Entry:
Skin: May cause irritation. May cause temporary staining of skin. Repeated exposure may cause dryness or cracking and may cause sensitization.
Eyes: May cause eye irritation and redness.
Inhalation: May cause irritation, including but not limited to, coughing, wheezing, tightness of chest and throat, difficulty breathing, headache, dry mouth and tingling of mouth and lips.
Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May discolor the tissues of the digestive tract.
Carcinogenicity -
NTP: Not determined.
IARC Monographs: Not determined
OSHA Regulated Carcinogen: No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, seek medical attention.
Eyes: Flush with water for 15 minutes and seek medical attention.
Inhalation: Remove to fresh air immediately. If breathing difficulty persists, seek medical attention.
Ingestion: Do not induce vomiting. Rinse mouth followed by drinking large amounts of water. Seek medical attention.

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Ventilate area; wear gloves and eye protection. Clean contaminated surface thoroughly. Discard residual solution in accordance with federal, state and local regulations.
Waste Disposal Method: It is recommended that the spill be neutralized with appropriate substance in accordance with federal, state, and local regulations. Do not reuse empty container.
Precautions to be taken in Handling and Storing: Keep in cool place. Use in well-ventilated area. Keep containers tightly closed.
Other Precautions: Keep out of reach of children. Do not ingest. Avoid skin and eye contact. Wash contaminated clothing before reuse; discard if disposable. Avoid contamination of food.

9 - CONTROL MEASURES

Respiratory Protection: Use in a well-ventilated area.
VENTILATION:
Local Exhaust: Adequate ventilation recommended – a minimum of 10 air exchanges per hour or as defined by state and local regulations.
Mechanical (General): Should be sufficient
Protective Gloves: Chemical resistant gloves recommended
Eye Protection: Eye protection recommended
Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

10 - TRANSPORTATION INFORMATION

Not DOT regulated.

11 - SPECIAL INFORMATION

HMIS (Hazardous Material Identification System) Rating:
H1 F0 R0
[HMIS Hazard Index: 4 – Severe Hazard; 3 – Serious Hazard;
2 – Moderate Hazard; 1 – Slight Hazard; 0 – Minimum Hazard]

Note: This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information contained in this MSDS is, to the best of our knowledge, believed to be accurate.