

MATERIAL SAFETY DATA SHEET
LopH Powdered Reducing Agent
SECTION I – PRODUCT IDENTIFICATION

ORGANIC COMPOUNDS, INC.
1265 W. 16th Street
Long Beach CA 90813

General or Generic Identification: Mixture
DOT Hazard Class: Not Applicable

Reviewed: 01/01/03
Telephone: 562 437 6334

SECTION II – COMPONENTS

Sodium Bisulfite CAS# 7631-90-5
NFPA 704
OSHA/PEL None
ACGIH/TLV: 5ppm
OTHER: None
HAZARD: Irritant

SECTION III – PHYSICAL DATA

Vapor Density (Air=1): Not Tested
Specific Gravity (Water=1): Not Tested
Solubility in Water: 100%
Vapor Pressure mmHg at 20^oC: Not Tested
Boiling Point, F^o: Not Tested
Melting Point, F^o: Decomposes at 1100^o
Evaporation Rate (Butyl Acetate=1): Nil
Appearance and Odor: White Crystals/Granules/Powder with a sulfur dioxide odor
Percent Volatile: Not Applicable.

SECTION IV – FIRE AND EXPLOSION DATA

NFPA DESIGNATION:

Health: 2 (Moderate)
Fire: 0 (Insignificant)
Reactivity: 0 (Insignificant)

This product is Nonflammable; therefore, Flash Point, Autoignition Temperature, Explosion Limits and Hazardous Decomposition Products are Not Applicable.

There are NO SPECIAL FIRE FIGHTING PROCEDURES.

UNUSUAL FIRE HAZARDS: Vapors decompose to Toxic products at High Temperatures.

SECTION V – HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: SKIN AND EYE CONTACT ... INHALATION
PERMISSIBLE EXPOSURE LIMITS AND THRESHOLD LIMIT VALUES: None established for this product.
SYMPTOMS OF OVEREXPOSURE: INHALATION: Possible Irritant
SKIN CONTACT: Possible Irritant
EYE CONTACT: Possible Irritant
INGESTION: Gastrointestinal Irritation

ACUTE/CHRONIC EXPOSURE: Swallowing the liquid will cause varying degrees of irritation of the mouth, esophagus and stomach, resulting in nausea, vomiting, headache and abdominal pain. Large doses may be fatal.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Symptoms may include broncho constriction, shock, gastrointestinal disturbances, angio edema, flushing and tingling sensations.

FIRST AID MEASURES

INHALATION: Remove from exposure. If symptoms persist, contact medical personnel.
SKIN: Wash with soap and water. If symptoms persist, contact medical personnel.
EYES: Flush with water immediately holding eyelids apart to ensure thorough rinsing. Contact medical personnel immediately.
INGESTION: DO NOT INDUCE VOMITING. Contact medical personnel immediately. Dilute with large quantities of water. If vomiting occurs spontaneously, keep airway clear.

TOXICITY DATA: CARCINOGENICITY: This material is not considered to be a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

SECTION VI – REACTIVITY DATA

STABILITY: Strength diminishes somewhat with age. Gradually decomposes in air to sulfate, generating sulfurous acid gas.
POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Moisture and High Humidity
MATERIALS TO AVOID: Acids, Oxidizing Materials, Aluminum
HAZARDOUS DECOMPOSITION PRODUCTS: Will liberate oxides of sulfur and NA_2O .

SECTION VII – SPILL, LEAK AND DISPOSAL PROCEDURES

Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste.

SPILL AND WASTE DISPOSAL PROCEDURES: Sweep up and dispose of in DOT approved waste container in a manner approved for this material. Keep out of sewers, storm drains, surface waters and soil.

SECTION VIII – PROTECTIVE EQUIPMENT TO BE USED

Suitable protective clothing, gloves and footwear should be selected with regard for use, conditions and exposure potential. Have access to water. Follow good industrial hygiene and safety practices as with any industrial chemical.

EYE PROTECTION: Chemical goggles good practice if dusty conditions exist.

GLOVES: Plastic gloves recommended

RESPIRATORY: If use conditions generate dusts/mist/vapors, wear a NIOSH approved respirator appropriate for those emission levels.

VENTILATION: No special precautions under normal use. Local exhaust capable of minimizing dust/vapor/mist emissions at point of use below the lowest TLV/PEL.

OTHER CLOTHING AND EQUIPMENT: None likely to be needed.

SECTION IX – SPECIAL PRECAUTIONS AND OTHER COMMENTS

STORAGE AND HANDLING: Store in cool, dry, well-ventilated area. Keep container closed when not in use. Wash thoroughly after handling. Empty containers have residues and are subject to proper waste disposal.

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