

Section 1 - Chemical Product and Company Identification



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DATE PREPARED:June 1, 2015
 DATE REVISED:.....NA
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PRODUCT NAME: A-268
 PRODUCT NUMBER: 0326800
 CHEMICAL FAMILY: Biocide
 CHEMICAL FORMULA: Mixture
 UN NUMBER: Not applicable

Section 2 – Hazard Identification

Signal Word: **Warning**

GHS Pictogram(s)



Hazard Statement: H331: Toxic if inhaled H302: Harmful if swallowed H318: Causes serious eye damage H315: Causes skin irritation H401: Toxic to aquatic life

Precautionary Statement P280: Wear protective gloves/protective clothing/eye protection/face protection
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray P103: Read label before use
 P102: Keep out of reach of children P404: Store in a closed container P273: Avoid release to the environment

GHS Health Classification: Serious Eye Damage (1) Skin Irritation (2) Acute Toxicity Inhalation (3)

GHS Physical Classification: Substances Corrosive to Metal (1)

GHS Environmental Class:..... Unknown aquatic toxicity levels. No data available.

Health	2
Flammability	0
Reactivity	0
Personal Protection	H

Primary Entry Routes: Skin and eye contact. Inhalation.

ACUTE EFFECTS:

Inhalation: If concentrated product is drawn into the breathing tract, coughing, burning, shortness of breath and tightness of the chest may occur.

Eye: Causes eye irritation with redness or possible burns.

Skin: Prolonged dermal contact may produce itching, dry skin, or possible mild irritation.

Ingestion: Harmful if swallowed. May cause nausea and vomiting.

Carcinogenicity: This product contains no known or suspected carcinogens.

Chronic Effects: Sensitizer. This product may cause allergic contact dermatitis.

Section 3 – Composition Information on Ingredients

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
Tetrakis hydroxymethyl phosphonium sulfate	20	555-66-30-8

Section 4 - First Aid Measures

Inhalation: Remove subject to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep subject warm and at rest. Get immediate medical attention.

Eye Contact: Flush eyes with water for at least 15 minutes holding eyelids wide open. Get immediate medical attention.

Skin Contact: Flush exposed areas with water for 15 minutes. Treat for burns. Get medical attention. Remove exposed clothing and wash well before reuse.

Ingestion: Do not induce vomiting. If conscious, feed bread soaked in milk, followed by olive oil or cooking oil. Never give anything by mouth to an unconscious person. Get emergency medical attention.

Section 5 – Fire-Fighting Measures

Flash Point (F): No data available

Extinguishing Media: Water fog or spray, foam, dry powder, carbon dioxide (CO₂).

Unusual Fire/Explosion Hazard: If contact with other chemicals or electrical services occurs during a fire, hazardous gases may be produced.

Fire Fighting Instructions: If possible remove container from fire area. Apply cooling water to container side. Do not release run off from fire control to the sewer or waterway.

Fire Fighting Equipment: Self-contained breathing apparatus with full face piece.

Section 6 – Accidental Release Measures

Spills and Releases: Remove all ignition sources. Ventilate the area. Contain spill immediately with inert materials. Do not allow to enter sewers or waterways. Collect spilled material into suitable containers for disposal.

Regulatory Requirements: Follow All OSHA Regulations and Standards (29 CFR 1910.120)

Section 7 – Handling and Storage

Handling Precautions: Wear hand and foot protection when moving heavy drums. Protect containers against physical damage.

Storage Requirements: Store in a cool, dark well-ventilated area away from direct sunlight and other sources of radiant heat. Keep containers tightly closed when not in use.

Regulatory Requirements: Follow All OSHA Regulations and Standards (29 CFR 1910.120)

Section 8 – Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH-TLV
Tetrakis hydroxymethyl phosphonium sulfate	NA	NA

Ventilation: Use in well-ventilated area with local exhaust.

Respiratory Protection: Not required for ordinary use. During emergency conditions or if a spill occurs, an appropriate OSHA approved air purifying respirator should be worn.

Protective Clothing/Equipment: Safety goggles and a face shield, non-slip vinyl or rubber gloves, protective footwear and an apron should be worn when handling drums.

Safety Stations: Safety showers and eyewash stations should be available in work areas.

Contaminated Equipment: Wash all contaminated equipment and clothing before reuse.

Comments: Never eat, drink or smoke in work areas.

Section 9 – Physical and Chemical Properties

Physical State: Liquid

Appearance & Odor: Clear to slightly hazy liquid with slight organic odor

Vapor Pressure No data available

Vapor Density (Air=1): No data available

Density (lbs/gal): 9.09

Specific Gravity: 1.09

Water Solubility: Complete

Boiling Point: No data available

Freezing Point: No data available

% Volatile: No data available

Evaporation Rate: < 1

pH: 3-4

Section 10 – Stability and Reactivity

Stability: Stable under normal conditions.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities: Strong oxidizers, strong bases.

Conditions to Avoid: Temperatures above 320°F.

Section 11- Toxicological Information

Irritation: Eyes and skin. Inhalation and ingestion.

Acute Effects: Corrosive to all body tissues with which it comes in contact.

Chronic Effects: Sensitizer. This product may cause allergic contact dermatitis.
Carcinogenicity: This product contains no known or suspected carcinogens.
Acute Inhalation Effects: If concentrated product is drawn into the breathing tract, coughing, burning, shortness of breath and tightness of the chest may occur.
Lethal Dosage (LD50): LD50 (oral-rat) = 248 mg/kg for tetrakis hydroxymethyl phosphonium sulfate

Section 12 – Ecological Information

Ecotoxicity: No data available
Environmental Fate: No data available

Section 13 – Disposal Considerations

Disposal: Consult Federal, State and Local regulations pertaining to waste disposal.
Container Cleaning/Disposal ... Triple rinse empty containers before offering for disposal or salvage. Never reuse empty chemical containers.

Section 14 - Transportation Information

DOT Transportation Data

Shipping Name: Not regulated by DOT
Contains : Not applicable
Hazard Class: Not applicable
ID No. / UN Code: Not applicable
Packaging Group: Not applicable
Label: Not regulated by DOT
Reportable Quantity: Not applicable
Emergency Response Guide #: 154

Section 15 – Regulatory Information

EPA Regulations

RCRA Hazardous Waste Number: D002 - corrosive waste
RCRA Hazardous Waste Classification: Acute, Irritating to skin and eyes.
CERCLA Hazardous Substance: Not listed as a CERCLA hazardous substance by the EPA.
CERCLA Reportable Quantity (RQ): Not applicable
SARA 311/312: Immediate (acute) health hazard.
SARA Toxic Chemical: Tetrakis hydroxymethyl phosphonium sulfate
SARA EHS: Not listed as an Extremely Hazardous Substance.
TSCA All components of this product are listed on the United States Toxic Substances Control Act (TSCA) Inventory.
FIFRA Labeling Requirements: This product is a registered pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). The EPA registration number for A-268 is 74712-4-12479. As a registered pesticide, this product is subject to certain labeling requirements. These requirements differ from the hazard information required for safety data sheets and for workplace

labels of non-pesticide chemicals. Pesticide labels require both hazard information and directions for use. The hazard information is shown below:

- FIFRA Signal Word - CAUTION
- Environmentally Hazardous
- Corrosive
- May cause eye damage and skin irritation
- Harmful if swallowed
- Toxic if inhaled
- This product is toxic to fish and aquatic organisms
- Mix only into water
- Contamination may start a chemical reaction with generation of heat and liberation of hazardous gases leading to possible fire and explosion
- Do not contaminate with garbage, dirt, organic matter, household products, chemicals, soap products, paint products, solvents, acids, oils, dirty rags or any other foreign matter

OSHA Regulations

Air Contaminant :.....Not considered hazardous under The Clean Air Act.

OSHA Criteria:.....Not applicable.

Section 16 – Other Information

Disclaimer..... THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE.