

HPS Technologies Inc.

5448 Kingsbridge Road, Winston-Salem, NC 27103
Office: (336) 293-8667

Safety Data Sheet

Material Identity: HPS-XO/Special
Version 3.0 (04/2015)

SECTION 1 • COMPANY AND PRODUCT IDENTIFICATION

Manufacturer:

HPS Technologies
5448 Kingsbridge Rd.
Winston-Salem, NC 27103

Emergency Phone: (800) 424-9300

Information Phone: (336) 293-8667

Synonyms: HPS-XO/S

SECTION 2 • HAZARDS IDENTIFICATION

GHS Classification:

[Health]

Acute toxicity, Oral (Category 4)
(Category 1)
Skin irritation (Category 3)
Eye irritation (Category 2B)
Aspiration hazard (Category 1)

[Environmental]

Acute aquatic toxicity (Category 3)

[Physical]

Flammable Liquid

GHS Label elements, including precautionary statements

Pictograms



Signal Word: Danger

Hazard Statements:

H227: Combustible liquid

H304: May be fatal if swallowed and enters airways.

Precautionary Statements:

P210: Keep away from flames and hot surfaces – No smoking

P280: Wear protective gloves and eye/face protection.

P332 + P313: If skin irritation occurs: Get medical advice/attention

P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.

P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents and container in accordance with local regulations.

SECTION 3 • COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
HPS-XO/Special	99-62-7	100

SECTION 4 • FIRST AID MEASURES

Inhalation:	Vapors may cause drowsiness, and irritation to respiratory tract. If inhaled, remove to fresh air and seek medical attention.
Eyes:	Thoroughly flush eyes with water for at least 15 minutes with eyelids forced open. Seek medical attention.
Skin:	Remove contaminated articles of clothing. Wash skin thoroughly with soap and water. Seek medical attention.
Ingestion:	Do not induce vomiting. Danger of aspiration of vomit into the lungs can cause serious damage and chemical pneumonitis. Seek medical attention immediately.

SECTION 5 • FIRE FIGHTING PROCEDURES

Extinguishing Media: To extinguish flames use water spray, dry chemical, carbon dioxide (CO₂), or firefighting foam.

Fire Fighting Instructions: Cool exposed containers with water spray. Wear self-contained breathing apparatus (SCBA) operated in pressure demand mode and full bunker firefighter's protective clothing.

Fire and Explosion Hazards: Containers can rupture and explode under fire conditions due to pressure and vapor buildup. Heated vapors may form explosive mixture with air. Vapors may travel across the ground and reach an ignition source.

SECTION 6 • ACCIDENTAL RELEASE AND DISPOSAL MEASURES

Spills: Ventilate the area and stop source of spill. Salvage and recycle as much material as possible. Eliminate sources of ignition. For small spills, use absorbent material such as towels or absorbent powders. Put all material into proper waste disposal container with lid tightly covered. Solvent soaked materials may spontaneously combust.

For larger spills, dike spill, recover free liquid, collect with an electrically protected vacuum cleaner or by wet-brushing, and use absorbent material to dry area and then rinse area with water. Put all material into appropriate waste containers. Avoid contaminating ground and surface water.

Waste Disposal Method: Do not flush to drain. Follow local, state and federal regulations for disposal.

SECTION 7 • HANDLING AND STORAGE

Precautions To Be Taken In Handling and Storage: Avoid contact with product. Do not breathe vapors.

Always store in tightly sealed and properly labeled original container. Store in a cool, dry, well-ventilated area, away from acute fire hazards. Use non-sparking tools. Bond and ground all equipment to prevent static discharge during transfer.

Other Precautions: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8 • EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use explosion-proof ventilation equipment. Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

Exposure Limits: HPS-XO/Special 15ppm ACGIH 10ppm OSHA

Skin Protection: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Eye Protection: Wear appropriate protective chemical safety glasses, goggles, or face shield as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Clothing: Selection of protective clothing depends on work conditions.

Respirators: Where adequate ventilation is not available an approved respirator must be worn.

Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

Other Equipment: Adequate explosion proof ventilation to control airborne concentrations below the exposure limits. Eye wash station and drenching shower in close proximity to use are advised.

SECTION 9 • PHYSICAL AND CHEMICAL PROPERTIES

Odor/Appearance: Low odor, colorless to light amber

Physical State: Liquid.

pH: Neutral.

Vapor Pressure: Not available.

Vapor Density: Not available.

Boiling Point: 198°C (388°F).

Flashpoint: 71°C (159°F).

Solubility in water: Negligible.

Specific Gravity: 0.86

Autoignition: Not available.

SECTION 10 • STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions

Conditions to Avoid: Excessive temperatures and/or contact with air may cause decomposition or oxidation.

Materials to Avoid: Avoid contact with acids, alkalis, aluminum, lead and oxidizing agents.

Decomposition Products: None under normal conditions of use.

SECTION 11 • TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: Contact can cause redness, irritation, and drying. Severity depends on the amount and duration of exposure.

Eyes: Vapors may be irritating to the eyes. Liquid contact will cause stinging and tearing.

Inhalation: Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression.

Ingestion: If swallowed this material may irritate the mucous membranes of the mouth, throat and esophagus. Aspiration of this material into the lungs may result in damage or death.

Acute Oral Toxicity: HPS-XO/S: LD50 rat: > 5000 mg/kg

Acute Inhalation Toxicity: HPS-XO/S: LC50 rat: > 4.3 mg/l

Acute Dermal Toxicity: HPS-XO/S: LD50 rabbit: 2000 – 4000 mg/kg

SECTION 12 • ECOLOGICAL INFORMATION

Ecotoxicity: Not expected to be harmful to aquatic organisms. Not expected to demonstrate chronic toxicity to aquatic organisms.

Bio-accumulative potential: Bioaccumulation of this product is unlikely. This product is readily biodegradable.

Mobility: This product is moderately mobile in soil and likely to volatilize from soil surface.

SECTION 13 • DISPOSAL CONSIDERATIONS

Waste Disposal: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 • TRANSPORT INFORMATION

US DOT Status: Regulated by the US Department of Transportation (Road or Rail)

Proper Shipping Name: Not regulated

Hazard Class: None

UN Number: 1993

Packaging Group: 3

This product is regulated as a Combustible Liquid, n.o.s. according to the Department of Transportation only in bulk quantities (greater than 119 gallons per package).

IMDG

Proper Shipping Name: Environmentally hazardous substance, liquid, not a marine pollutant

Hazard Class: 9

UN Number: 3082

Packaging Group: 3

SECTION 15 • REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

OSHA Hazards

Combustible liquid

SARA 302: No chemicals that make up this material are subject to the reporting requirements of SARA Title III, Section 302.

The reportable quantity (RQ) for this material is 1000 pounds. If appropriate, immediately report to the National Response Center (800-424-8802) as required by US Federal Law. Also contact appropriate state and local regulatory agencies.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA 311/312 (40 CFR 370) Hazard Categories: Acute Hard, Delayed Hazard

SARA Section 313 (40 CFR 372) Hazard Categories: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act: None of the chemicals listed in this product are listed as Hazardous Substances under the CWA.

Clean Air Act: None of the chemicals in this product are listed as Hazardous Substances under the CAA.

California Prop 65: No significant Risk Level. None of the chemicals in this product are known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16: OTHER INFORMATION

MSDS Revision Date: April 2015

National Fire Protection Association (NFPA) Rating: *This information is intended solely for the use of individuals trained in the NFPA system.*

Hazard Ratings HMIS: Health = 2 Flammability = 1 Reactivity = 0

NFPA: Health = 2 Flammability = 1 Reactivity = 0

(0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe)

NOTICE: The information contained on this Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive or fully adequate in every circumstance. The suggestions should not be confused with, nor followed violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, or merchantability, fitness, accuracy of data, or results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.