

HPS Technologies Inc.

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

Safety Data Sheet

Material Identity: HPS-XO/W
Version 4.5 (04/2015)

SECTION 1 • 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/W

SECTION 2 • HAZARDS IDENTIFICATION

GHS Classification:

[Health]

Acute toxicity, Oral (Category 4)
(Category 1)

Skin Irritation (Category 3)

Eye Irritation (Category 2B)

[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 + P235: 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

Component	CAS #	Weight %
Isopropyl aromatic compounds (proprietary)	mixture	20-35
Distillates, Petroleum, Hydrotreated Light	64742-47-8	40-55
Benzyl Alcohol	100-51-6	15-30

SECTION 4 • FIRST AID MEASURES

- Inhalation:** Seek fresh air immediately. If breathing is difficult, get medical attention.
- Eyes:** Flush with large amounts of cool running water for at least 15 minutes with eyelids forced open. If irritation develops, get medical attention.
- Skin:** Remove contaminated clothing. Wash affected areas with soap and water. If irritation develops, get medical attention.
- Ingestion:** Drink lots of water to dilute substance. Seek immediate medical attention. DO NOT induce vomiting for fear of aspiration into the lungs causing serious damage and chemical pneumonitis.

SECTION 5 • FIRE FIGHTING PROCEDURES

Extinguishing Media: To extinguish flames use water spray, carbon dioxide, dry chemical, 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

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: Store in a cool, dry, well-ventilated area in tightly closed, properly labeled metal or glass containers. Do not store in plastic. Avoid heat, sparks, and open flames.

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. Mechanical ventilation may be necessary at elevated temperatures to control vapors.

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

Personal Protective Equipment (PPE):

Respiratory Protection: 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.

Skin Protection: Wear chemically resistant rubber gloves and apron (viton, nitrile, and or PVC) to minimize exposure.

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.

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

Appearance: Clear liquid, colorless to light amber.
Odor: Mild solvent odor.
Physical State: Liquid
pH: neutral

Vapor Pressure: 0.78 mmHg average.
Vapor Density: 5.93 @ 20°C (air=1.0).
Boiling Point: 192°C (378°F) @ atm pres.
Flashpoint: 71.6°C (161°F) TCC
Freezing Point: <-0°C (<-32°F)
Solubility in water: approx. 4%.
Specific Gravity: 0.868 @ 25°C
VOC Content: 834 g/l @ 25°C
Molecular Weight: 142.5 mixture average (est).
Chemical Formula: mixture

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 strong acids, strong bases, and oxidizing agents.

Decomposition Products: Ultimate decomposition products are CO₂ and water.

Hazardous Polymerization: Will not occur.

SECTION 11 • TOXICOLOGY INFORMATION

Signs and Symptoms of Overexposure:

- 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.
- Eyes:** Vapors may be irritating to the eyes. Liquid contact will cause stinging and tearing.
- Skin:** Contact can cause redness, irritation and drying. Severity depends on the amount and duration of exposure.
- 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/W: LD₅₀ rat > 5,000 mg/kg

Acute inhalation toxicity: HPS-XO/W: LC₅₀ rat > 4.3 mg/l

Acute dermal toxicity: HPS-XO/W: LD₅₀ rabbit: 2,000 – 4,000 mg/kg

SECTION 12 • ECOLOGICAL INFORMATION

Ecotoxicity: This product is unlikely to pose a hazard to aquatic life. Not expected to demonstrate chronic toxicity to aquatic organisms.

Environmental Fate: Not determined.

Bioaccumulation Potential: Bioaccumulation of this product is not expected to be significant. This product is readily biodegradable.

Mobility: Large accidental spillage may lead to penetration in the soil and contamination of groundwater.

SECTION 13 • DISPOSAL CONSIDERATIONS

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 (Road or Rail):

Proper Shipping Name: Not regulated

Hazard Class: None

UN Number: 1993

Packaging Group: 3

This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

IMDG:

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s

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).

TSCA (USA): All ingredients are listed on the TSCA inventory.

SARA 302: No chemicals in 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.

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

SARA Section 313 (40 CFR 372) Hazards: 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 in this product are listed 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 listed.

SECTION 16 • OTHER INFORMATION

SDS Revision Date: April 2015

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

HMIS Ratings: Health = 1 Flammability = 1 Reactivity = 0 Personal Protection = C

NFPA Ratings: Health = 0 Flammability = 1 Reactivity = 0

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

The information contained on the 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 in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of 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.