

HPS Technologies Global

2185 Hwy 292 - Inman, SC 29349
Office: (864) 472-6604

Safety Data Sheet

Material Identity: HPS-FW Additive, Part 1
Version 1.0 (03/2017)

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-FW, Part 1

SECTION 2 • HAZARDS IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of 29 CFR 1910.1200:

Hazard Class	Hazard Category	Route of exposure
Flammable liquid	Category 4	---
Aspiration hazard	Category 1	---
Skin irritation	Category 2	---
Eye irritation	Category 2B	---
Carcinogenicity	Category 2	---
Acute aquatic toxicity	Category 1	---
Chronic aquatic toxicity	Category 1	---

GHS Label elements, including precautionary statements

Contains: Solvent naphtha, petroleum, heavy arom. (64742-94-5), Naphthalene (91-20-3)

Pictograms



Signal Word: Danger

Hazard Statements:

H227: Combustible liquid

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation

H319: Causes eye irritation.

H351: Suspected of causing cancer.

H400: Very toxic to aquatic life with long lasting effects.

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 %
Solvent naphtha, petroleum, heavy arom.	64742-94-5	>99
Naphthalene	91-20-3	<0.9

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.

Hazardous Combustion Products: Carbon oxides

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: Keep container tightly closed. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Use personal protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product.

Prevention of Fire and Explosion: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use only with adequate ventilation. Keep from contact with oxidizing materials.

Conditions for safe storage, including any incompatibilities: Store in cool place. Keep away from incompatible substances (see incompatibility section).

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.

Individual Protection Measures, such as personal protective equipment:

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

Appearance: Clear

Physical State: Liquid
Specific Gravity: 0.89
pH: Not available
Vapor Pressure: 0.067 mbar (0.1 mm Hg)
Vapor Density: 4.7
Boiling Point: 175-215°C (347.0-419.0°F)
Flashpoint: >63°C (>145.4°F) ASTM D56
Solubility in water: negligible
Autoignition: Not available
Evaporation Rate: Not available
Flammability(solid: gas): Not available
Upper Explosion limit: Not available
Lower Explosion limit: Not available
Viscosity: Not available

SECTION 10 • STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions
Conditions to Avoid: No data available
Materials to Avoid: No data available
Reactivity: No data available
Possibility of hazardous reactions: Hazardous polymerization does not occur
Incompatible materials: Strong oxidizing agents, sulfuric acid, nitric acid

SECTION 11 • TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: Causes skin irritation. Prolonged or repeated contact may cause drying, cracking, or irritation.

Eyes: Causes eye irritation.

Inhalation: Excessive inhalation of high concentrations may be harmful. Expected to be a low hazard for recommended handling.

Ingestion: Expected to be a low ingestion hazard.

Data for Solvent naphtha, petroleum, heavy arom. (CAS 64742-94-5):

Acute Toxicity Data:

Oral LD50 (Rat): >5,000 mg/kg

- Oral LD50 (Rat): > 2,000 mg/kg
- Inhalation LC50 (Rat): >590 mg/m³ / 4 hr
- Dermal LD50 (Rabbit): >2 mL/kg (Highest dose tested – no evidence of absorption at this dose level.)
- Skin irritation: moderate
- Eye irritation: mild

Data for Naphthalene (CAS 91-20-3):

Acute Toxicity Data:

Oral LD50 (male Rat): 400 – 3,200 mg/kg

- Oral LD50 (Rat): 1,110 mg/kg
- Inhalation LC50 (Rat): > 340 mg/m³ / 1 hr
- Dermal LD50 (Guinea Pig): > 1,000 mg/kg
- Dermal LD50 (Rabbit): 1,120 mg/kg
- Skin irritation: slight
- Eye irritation: mild

Carcinogenicity:

American Conference of Governmental Industrial Hygienists: A3-Confirmed Animal Carcinogen with Unknown Relevance to Humans: Naphthalene

International Agency for Research on Cancer: Group 2A – Probably Carcinogenic to Humans: Naphthalene; Group 2B Possibly Carcinogenic to Humans: Naphthalene

US National Toxicology Program: Reasonably Anticipated To Be A Human Carcinogen: Naphthalene

US Occupational Safety and Health Administration: OSHA Carcinogen or Potential Carcinogen: Naphthalene

California Prop. 65: WARNING! This product contains a chemical known to the State of California to cause cancer.

SECTION 12 • ECOLOGICAL INFORMATION

The following properties are estimated from the components of the preparations.

Potential Toxicity:

Toxicity to fish (LC50):	1 – 10 mg/l
Toxicity to daphnia (EC50):	<1 mg/l

Persistence and degradability:

Not readily biodegradable

Bioaccumulative potential:

No data available

Mobility in soil:

No information available

SECTION 13 • DISPOSAL CONSIDERATIONS

Waste Disposal: Discharge, treatment, or disposal may be subject to federal, state, commonwealth, provincial, or local laws. Since emptied containers retain product residue, follow label warnings even after container is emptied.

SECTION 14 • TRANSPORT INFORMATION

The information below is provided to assist in documentation. It represents the dangerous goods classification before any regulatory exceptions are taken (e.g. “limited quantity”) and therefore may not represent the final classification.

IATA:	UN number:	UN3082
	Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aromatic Naphtha)
	Class:	9
	Packaging group:	III
	Marine Pollutant status:	Marine pollutant
IMDG:	UN number:	UN3082
	Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Aromatic Naphtha)
	Class:	9
	Packaging group:	III
	Marine Pollutant status:	Marine pollutant
	Marine Pollutant(s):	Aromatic Naphtha
US DOT:	UN number:	NA 1993
	Proper shipping name:	Combustible Liquid, N.O.S. (Aromatic Naphtha)
	Class:	CBL
	Packaging group:	III
	Marine Pollutant status:	Marine pollutant
	Marine Pollutant(s):	Aromatic Naphtha

SECTION 15 • REGULATORY INFORMATION

Notification Status:

Regulatory List	Notification Status
TSCA	All listed
DSL	All listed
NDSL	None listed
EINECS	All listed
ELINCS	None listed
NLP	None listed
AICS	All listed

IECS	All listed
ENCS	All listed
ECI	All listed
NZIoC	All listed
PICCS	All listed
TCSI	All listed

“Not all listed” indicated one or more component is either not on the public inventory or is subject to exemption requirements.

Other regulations

U.S. - CERCLA/SARA (40 CFR § 302.4 Designation of hazardous substances):

No components of this product are subject to the SARA Section 302 (40 CFR 302.4) reporting requirements.

U.S. - CERCLA/SARA - Section 302 (40 CFR § 355 Appendices A and B - The List of Extremely Hazardous Substances and Their Threshold Planning Quantities):

No components of this product are subject to the SARA Section 302 (40 CFR 355) reporting requirements.

U.S. - CERCLA/SARA - Section 313 (40 CFR § 372.65 Toxic Chemical Release Reporting):

No components of this product are subject to the SARA Section 313 (40 CFR 372.65) reporting requirements.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances:

No components found on the California Director's List of Hazardous Substances.

U.S. - California - 8 CCR Section 5200-5220 – Specifically Regulated Carcinogens:

No components found on the California Specifically Regulated Carcinogens List.

U.S. - California - 8 CCR Section 5203 Carcinogens:

No components found on the California Section 5203 Carcinogens List.

U.S. - California - 8 CCR Section 5209 Carcinogens:

No components found on the California Section 5209 Carcinogens List.

U.S. - Massachusetts - General Law Chapter 111F (MGL c111F) - Hazardous Substances Disclosure by Employers (a.k.a. Right to Know Law):

No components regulated under the Massachusetts Hazardous Substances Disclosure by Employers Law.

U.S. - Minnesota Employee Right-to-Know (5206.0400, Subpart 5. List of Hazardous Substances):

No components found on the Minnesota Employee Right-to Know List of Hazardous substances.

U.S. - New Jersey - Worker and Community Right to Know Act (N.J.S.A. 34:5A-1):

No components regulated under the New Jersey Worker and Community Right-to-Know Act.

U.S. - Pennsylvania - Part XIII. Worker and Community Right-to-Know Act (Chapter 323 Hazardous Substance List, Appendix A):

Benzene, 1,3-bis(1-methylethyl)-, Pentanedioic acid, 2-methyl-, dimethyl ester

SECTION 16: OTHER INFORMATION

MSDS Revision Date: March 2017

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 = 1 Flammability = 2 Reactivity = 0

NFPA: Health = 1 Flammability = 2 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.