

# HPS Technologies Global

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## Safety Data Sheet

**Material Identity:** HPS-FW  
**Version 1.0** (02/2017)

### 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:** None

### 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      | ---               |
| Acute aquatic toxicity   | Category 1      | ---               |
| Chronic aquatic toxicity | Category 1      | ---               |
| Aspiration hazard        | Category 1      | ---               |
| Skin irritation          | Category 2      | ---               |
| Eye irritation           | Category 2A     | ---               |
| Carcinogenicity          | Category 2      | ---               |

#### **GHS Label elements, including precautionary statements**

**Contains:** Solvent naphtha, petroleum, heavy arom. (64742-94-5), 1-Hexanol, 2-ethyl- (104-76-7), Naphthalene (91-20-3)

**Pictograms**



**Signal Word:** Danger

**Hazard Statements:**

Combustible liquid  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing cancer.  
Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

**Prevention:** Keep away from flames and hot surfaces – No smoking. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

**Response:**

Use dry sand, dry chemical or alcohol-resistant foam for extinction. IF SWALLOWED: Immediately call a Poison Control Center or doctor/physician. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If exposed: Call a Poison Control Center or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Collect spillage.

**Storage:** Store in a well-ventilated place. Keep cool. Store locked up.

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

**HMIS III Hazard Ratings:** Health-2\*, Flammability-2, Physical Hazard-0

**NFPA Hazard Ratings:** Health-2, Flammability-2, Instability-0

**SECTION 3 • COMPOSITION AND INFORMATION ON INGREDIENTS**

| Chemical Name                           | CAS #       | Weight %  |
|---|-------------|-----------|
| Solvent naphtha, petroleum, heavy arom. | 64742-94-5) | 45-55     |
| 1-Hexanol, 2-ethyl-                     | 104-76-7    | 45-55     |
| Naphthalene                             | 91-20-3     | 0.1 - < 1 |

**SECTION 4 • FIRST AID MEASURES**

|                    |  |
|--------------------|--|
| <b>Inhalation:</b> | Vapors may cause drowsiness, and irritation to respiratory tract. If inhaled, remove to fresh air and seek medical attention.  |
| <b>Eyes:</b>       | Thoroughly flush eyes with water for at least 15 minutes with eyelids forced open. If easy to do, remove contact lenses. Seek medical attention.   |
| <b>Skin:</b>       | Immediately flush with plenty of water for at least 15 minutes while removing contaminated articles of clothing and shoes. Wash skin thoroughly with soap and water. Wash contaminated clothing before re-use. Destroy or thoroughly cleaned contaminated shoes. Seek medical attention. |
| <b>Ingestion:</b>  | If swallowed, only induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally,  |

have victim lean forward to reduce the risk of aspiration. Seek medical attention immediately.

## **SECTION 5 • FIRE FIGHTING PROCEDURES**

**Extinguishing Media:** To extinguish flames use water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), or firefighting foam.

**Special hazards arising from the substance or mixture**

**Hazardous Combustion Products:** carbon oxides

**Special Fire-Fighting Procedures:** Wear self-contained breathing apparatus and protective suit. Fire or excessive heat may produce hazardous decomposition products. Water may be ineffective. The product is insoluble and floats on water. Use water spray to cool unopened containers.

**Unusual Fire and Explosion Hazards:** Combustible liquid. Material contains a flammable solvent that may accumulate in the container headspace. Vapors may form explosive mixtures with air. Prevent buildup of vapors or gases to explosive concentrations.

## **SECTION 6 • ACCIDENTAL RELEASE AND DISPOSAL MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Refer to protective measures listed in sections 7 and 8.

**Methods and materials for containment and cleaning up:** Remove all sources of ignition. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Non-sparking tools should be used. Clean surface thoroughly to remove residual contamination. Prevent runoff from entering drains, sewers, or streams. Ventilate the area.

**Environmental precautions:** No info available

## **SECTION 7 • HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Personal Precautions:** Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapor. Use only with adequate ventilation. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product.

**Prevention of Fire and Explosion:** Keep away from heat and sources of ignition. Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Use only non-sparking tools. Keep container tightly closed. Use only with adequate ventilation. Keep from contact with oxidizing materials. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

Ventilation: Match ventilation rates to conditions of use so as not to exceed any applicable exposure limits (see Section 8).

**Conditions for safe storage, including any incompatibilities:** Keep in a dry, cool and well-ventilated place. Cool conditions (5-30°C). Keep container tightly closed. Keep away from food, drink and animal feeding stuffs. Keep away from incompatible substances (see incompatibility section).

## **SECTION 8 • EXPOSURE CONTROLS, PERSONAL PROTECTION**

### **Occupational exposure controls**

| <b>Chemical Name</b> | <b>Regulatory List</b> | <b>Value Type</b>   | <b>Value</b>                 |
|----------------------|------------------------|---|------------------------------|
| 1-Hexanol, 2-ethyl-  | ACGIH                  | Time weighted avg   | 50 ppm                       |
|                      |                        | <i>Skin-potential significant contribution to overall exposure by the cutaneous route</i> |                              |
| 1-Hexanol, 2-ethyl-  | NIOSH                  | Time weighted avg   | 50 ppm 270 mg/m <sup>3</sup> |
| Naphthalene          | ACGIH                  | Time weighted avg   | 10 ppm                       |
|                      |                        | <i>Skin-potential significant contribution to overall exposure by the cutaneous route</i> |                              |
|                      | OSHA                   | Time weighted avg   | 10 ppm 50 mg/m <sup>3</sup>  |

**Appropriate Engineering Controls:** Use process enclosures, local exhaust 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.

**Clothing:** Selection of protective clothing depends on work conditions.

**Respirators:** Where adequate ventilation is not available an approved respirator must be worn. If respirators are used, a program should be instituted to assure compliance with applicable federal, state, commonwealth, provincial, or local laws and regulations.

## **SECTION 9 • PHYSICAL AND CHEMICAL PROPERTIES**

|                                  |                             |
|----------------------------------|-----------------------------|
| <b>Color:</b>                    | Clear to colorless          |
| <b>Physical State:</b>           | Liquid                      |
| <b>pH:</b>                       | Not available               |
| <b>Vapor Pressure:</b>           | Not available               |
| <b>Vapor Density:</b>            | Not available               |
| <b>Boiling Point:</b>            | Not available               |
| <b>Flashpoint:</b>               | 69°C (156.2°F) (closed cup) |
| <b>Solubility in water:</b>      | negligible                  |
| <b>Specific Gravity:</b>         | 0.854                       |
| <b>Autoignition:</b>             | Not available               |
| <b>Evaporation Rate:</b>         | Not available               |
| <b>Flammability(solid: gas):</b> | Not available               |
| <b>Upper Explosion limit:</b>    | Not available               |
| <b>Lower Explosion limit:</b>    | Not available               |
| <b>Viscosity:</b>                | Not available               |

## **SECTION 10 • STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal use and temperature conditions

**Conditions to Avoid:** No data available

**Hazardous decomposition products:** carbon oxides

**Reactivity:** No data available

**Possibility of hazardous reactions:** Hazardous polymerization does not occur

**Incompatible materials:** Strong oxidizing agents

## **SECTION 11 • TOXICOLOGICAL INFORMATION**

### **Effects of Exposure**

#### **General Advice:**

Contains: Naphthalene. Possible cancer hazard. May cause cancer based on animal data.

**Skin:** May be harmful in contact with skin. Causes skin irritation.

**Eyes:** Causes eye irritation.

**Inhalation:** High vapor concentrations may cause drowsiness, irritation and nausea. Airborne dust/mist/vapor may be irritating.

**Ingestion:** May be harmful if swallowed. Aspiration hazard if swallowed – can enter lungs and cause damage. May cause irritation of the gastrointestinal tract if swallowed.

#### **Carcinogenicity:**

- Oral study (male and female Rat, 24 months): NOEL; 500 mg/kg/day
- Oral study (male and female Mouse, 18 months): NOEL; 750 mg/kg/day

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

##### **Acute Toxicity Data:**

Oral LD50 (male Rat): 400-3200 mg/kg

- Oral LD50 (Rat): 1110 mg/kg
- Inhalation LC50 (Rat): >340 mg/m<sup>3</sup> / 1 hr
- Dermal LD50 (Guinea Pig): > 1000 mg/kg
- Dermal LD50 (Rabbit): 1120 mg/kg
- Skin irritation: slight
- Eye irritation: mild

#### **Carcinogenicity**

International Agency for Research on Cancer (IARC)

Group 2A-Probably carcinogenic to humans: Naphthalene

Group 2B-Possibly carcinogenic to humans: Naphthalene

U.S. National Toxicology Program (NTP):

Reasonably anticipated to be a human carcinogen: Naphthalene

|   |   |
|---|---|
| U.S. Occupational Safety & Health Administration<br>(OSHA):           | OSHA carcinogen or potential<br>carcinogen: Naphthalene   |
| American Conference of Governmental Industrial Hygienists<br>(ACGIH): | A3-Confirmed animal<br>carcinogen with unknown<br>relevance to humans: Naphthalene                |
| California Prop. 65   | WARNING! This product contains a<br>chemical known to the State of<br>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 mg/l estimated |
| Toxicity to daphnia (EC50): | <1 mg/l estimated |

### **Persistence and degradability:**

Not readily biodegradable

This product has not been tested for environmental effects.

### **Bioaccumulative potential:**

No data available

### **Mobility in soil:**

No information available

## **SECTION 13 • DISPOSAL CONSIDERATIONS**

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.

|                |                          |   |
|----------------|--------------------------|---|
| <b>US DOT:</b> | UN Number:               | NA1993  |
|                | Proper Shipping name:    | Combustible liquid, N.O.S (aromatic Naphtha, 1-Hexanol, 2-ethyl-) |
|                | Class:                   | CBL   |
|                | Packaging Group:         | III   |
|                | Marine Pollutant status: | Marine pollutant  |
|                | Marine Pollutant(s):     | Aromatic Naphtha  |

**IMDG:** UN Number: UN3082  
 Proper Shipping Name: Environmentally hazardous substance, liquid, N.O.S  
 (aromatic Naphtha)  
 Hazard Class: 9  
 Packaging Group: III  
 Marine Pollutant Status: Marine pollutant  
 Marine Pollutant(s): aromatic Naphtha

**ISTA:** 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

### **SECTION 15 • REGULATORY INFORMATION**

#### **Notification Status:**

| <b>Regulatory List</b> | <b>Notification Status</b> |
|------------------------|----------------------------|
| 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                 |

“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): Naphthalene

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):

Naphthalene

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

Hazardous Substances:

1-Hexanol, 2-ethyl-

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 c

111F) - Hazardous Substances Disclosure by

Employers (a.k.a. Right to Know Law):

1-Hexanol, 2-ethyl-

U.S. - Minnesota Employee Right-to-Know (5206.0400,

Subpart 5. List of Hazardous Substances):

1-Hexanol, 2-ethyl-

U.S. - New Jersey - Worker and Community Right to Know

Act (N.J.S.A. 34:5A-1):

1-Hexanol, 2-ethyl-

U.S. - Pennsylvania - Part XIII. Worker and Community

Right-to-Know Act (Chapter 323 Hazardous Substance

List, Appendix A):

1-Hexanol, 2-ethyl-, Solvent naphtha, petroleum, heavy arom., Naphthalene

## **SECTION 16: OTHER INFORMATION**

The data below reflects current legislative requirements whereas the product in your possession may carry a different version of the label depending on the date of manufacture.

### **US/Canadian Label Statements:**

#### **HPS-FW**

##### **Contains:**

Solvent naphtha, petroleum, heavy arom. (64742-94-5), 1-Hexanol, 2-ethyl- (104-76-7), Naphthalene (91-20-3)

##### **Symbols:**



**Signal Word:** Danger



**Hazard Statements:** Combustible liquid. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Very toxic to aquatic life with long lasting effects.

**Precautionary statements:**

**Prevention:** Keep away from open flames/hot surfaces. No smoking. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

**Response:** Use dry sand, dry chemical or alcohol-resistant foam for extinction. IF SWALLOWED: Immediately call a Poison Control Center or doctor/physician. Do NOT induce vomiting. If ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF exposed: Call a Poison Center or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Collect spillage.

**Storage:** Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulation.

**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 in 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.