

HPS Technologies Global

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Safety Data Sheet

Material Identity: HPS CX Part 2

Version 1.0 (01/2016)

SECTION 1 • COMPANY AND PRODUCT IDENTIFICATION

Manufacturer:

HPS Technologies, Inc.

5448 Kingsbridge Rd.

Winston-Salem, NC 27103

Emergency Phone: (800) 424-9300

Information Phone: (336) 293-8667

Synonyms: Component B

SECTION 2 • HAZARDS IDENTIFICATION

GHS Classification:**[Health]**

Acute toxicity, Oral (Category 4)

Skin irritation (Category 2)

Skin sensitization (Category 1)

Aspiration hazard (Category 1)

Serious eye damage/irritation (Category 2A)

[Physical]

Flammable Liquid (Category 4)

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

Signal Word: Danger

Hazard Statements:

Combustible liquid.

May be fatal if swallowed and enters airways

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled.

Hazardous prevention measures:

Keep away from flames and hot surfaces. -- No smoking.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wash skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves and eye / face protection.

If swallowed: Immediately call Poison Control or a medical professional.

If on skin: Wash with plenty of soap and water.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call Poison Control or medical physician if victim feels unwell.

DO NOT induce vomiting.

If skin irritation occurs: Get medical advice/ attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

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

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents and container in accordance with local regulations.

SECTION 3 • COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Component B	proprietary	100%

The specific chemical identity and/or exact concentration of composition has been withheld as a trade secret.

SECTION 4 • FIRST AID MEASURES

Eyes: Flush with large amounts of cool running water for at least 15 minutes with eyelids forced open. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed skin with soap and water. Seek immediate medical attention.

Inhalation: For excessive inhalation remove to fresh air. If breathing is difficult seek medical attention.

Ingestion: DO NOT induce vomiting. Danger of aspiration of vomit into the lungs can cause serious damage and chemical pneumonitis. Seek immediate medical attention.

Most important symptoms/effects, acute and delayed: Aspiration may cause pulmonary edema and pneumonitis.

SECTION 5 • FIRE FIGHTING MEASURES

Extinguishing Media: To extinguish flames use water spray, dry chemical, carbon dioxide or fire fighting foam.

Specific Hazards: Static charges can accumulate and lead to a spark capable of starting a fire.

Special Protective Equipment for Firefighters: Exposure to products may be a hazard to health. Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6 • ACCIDENTAL RELEASE and DISPOSAL MEASURES

Note: Review Fire Fighting Measures and Handling (Personnel) sections before proceeding with clean-up. Use appropriate Personal Protective Equipment during clean-up.

Safeguards (Personnel): Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Wear suitable protective equipment.

Environmental Precautions: Ventilate the area and stop source of spill, if safe to do so. Prevent product from entering drains. Clean contaminated floors and objects thoroughly while observing environmental regulations. Eliminate sources of ignition.

Spill Cleanup: Contain spill. Use absorbent material such as towels or absorbent powders. Collect and contain absorbent and dike material for disposal. Put all material into proper waste disposal container with lid tightly covered. Ventilate the area. Solvent soaked materials may spontaneously combust. Avoid contaminating ground and surface water.

Accidental Release Measures: Dispose of in accordance with local regulations.

SECTION 7 • STORAGE AND HANDLING

Precautions To Be Taken In Handling and Storage: Avoid contact product. Do not breathe vapors or mist. Keep away from heat or flame.

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. Keep away from food and drink. Wash hands after use.

Handling (Physical): Keep away from heat and sources of ignition. Avoid formation of aerosol.

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 AND 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 Guidelines:

No applicable data available

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: Wear impermeable clothing

Hand Protection: Material: Nitrile rubber

Break through time: 60 min

Permeation rate: 480 min

Glove thickness: 0.4 mm

Additional protection: Gloves should be inspected prior to use. Gloves should be discarded and replaced if there is any indication or degradation or chemical

breakthrough. As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.

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

Flash Point: 71 °C (closed cup)

Flammability limit-upper(%)no data available

Autoignition Temperature: no data available

Flammability limit-lower (%):no data available

Specific Gravity: 0.873

Solubility in Water: slightly soluble

Boiling Point: 199 °C

Freezing Point: -93 °C

Melting Point: no applicable data available

Evaporation Rate: no data available

Vapor Pressure: 0.532 mbar (20 °C)

pH: No data available

Vapor Density: 5.9

Odor/Appearance: Colorless liquid with sweet odor

SECTION 10 • STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.

Conditions to Avoid: Keep away from heat, flame and other potential ignition sources.

Reactivity: No dangerous reaction known under normal use.

Possibility of hazardous reactions: Polymerization will not occur.

Materials to Avoid: Strong acids and oxidizers.

SECTION 11 • TOXICOLOGICAL INFORMATION

Dermal LD50: >5000 mg/kg, Rabbit

Oral LD50: 5140 mg/kg, Rat

Eye irritation: none, Rabbit

Skin irritation: severe skin irritation, Rabbit

Skin sensitization: does not cause skin sensitization, human

Repeated dose toxicity: oral, rat

Vapor

NOAEL: 25 mg/kg

LOAEL: 50 mg/kg method: No information available

Gastrointestinal effects, liver effects, information given is based on data obtained from similar substances

Carcinogenicity: Not classifiable as a human carcinogen

Animal testing did not show any carcinogenic effects

Information given is based on data obtained from similar substances

Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects

Animal testing did not show any mutagenic effects.

Information given is based on data obtained from similar substances.

Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 12 • ECOLOGICAL INFORMATION

Aquatic toxicity

Aquatic toxicity is unlikely due to low solubility

Environmental Fate

Biodegradability: no data available

SECTION 13 • DISPOSAL CONSIDERATIONS

Waste disposal methods: If recycling is not practicable, dispose of in compliance with local regulations.
Never place unused product down any drain.

Waste disposal methods: Contaminated/not cleaned containers should be treated/handled like product waste.

Dispose of container properly

Refer to applicable local, state and federal regulations as well as industry standards.

Contaminated packaging: No applicable data available

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 • TRANSPORTATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15 • REGULATORY INFORMATION

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

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.

PA Right to Know

Regulated Chemicals: Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances):
Aliphatic alcohol, Aliphatic Esters
This product contains proprietary ingredient(s).

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 • OTHER INFORMATION

MSDS Revision Date: January 2016

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

Health: 2

Flammability: 2

Reactivity: 0

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, 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.