



SPI Supplies Division
Structure Probe, Inc.
 P.O. Box 656 West Chester, PA 19381-0656 USA
Phone: 1-(610)-436-5400 Fax: 1-(610)-436-5755
E-mail: spi3spi@2spi.com
WWW: <http://www.2spi.com>
Manufacturer's CAGE: 1P573

Material Safety Data Sheet

[SPI #07834-AB Optical Cleaning Solution Concentrate](#)

Section 1: Identification

Date Effective..... November 21, 2008
 (most recent revision)

Chemical Name/Synonyms... Not known

Chemical family..... Not known

Emergencies
 Contacting CHEMTREC:

24 Hour Emergency Use Only #'s.....
 Worldwide phone: 1-(703)-527-3887
 Worldwide FAX: 1-(703)-741-6090
 Toll-free phone: 1-(800)-424-9300 USA only

Product or Trade Name.... SPI #07834-AB Optical Cleaning Solution
 Concentrate

CAS #..... Not applicable; product is an aqueous
 based mixture

Chemical Formula..... Not known



<p>Hazardous Material Information System USA</p>	<p>Health</p>	<p>1</p>	<p>National Fire Protection Association USA</p>	
	<p>Fire Hazard</p>	<p>1</p>		
	<p>Reactivity</p>	<p>0</p>		
	<p> </p>	<p> </p>		

	Personal Protection		
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National Fire Protection Association:

Health: 1 Flammability: 1 Reactivity: 0 General: ---

Section 2 Composition

Component	C.A.S. Number	Percentage
Water	7732-18-5	50-70
Propylene Glycol	55-56-6	10-20
Disodiuy Cocamphodipropionate	10-20	1-10
Sodium cocoamphoacetate	68390-66-9	15-25
Sodium Hydroxide	1310-7-3-2	4

This product is not a hazardous chemical(s) under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 3: Hazard Identification

Emergency Overview:

Appearance and Odor: Pale amber liquid with characteristic detergent type odor.

A. Warning Statement: Good industrial hygiene practices should be used when handling this material.

Acute Eyes: Direct contact causes irritation, redness, and possible tearing.

Acute Skin: Prolonged or repeated contact causes redness, and drying of the skin.

Acute Inhalation: Breathing high concentrations of vapors or mists may cause irritation to the nose and drowsiness.

B. Potential Health Effects:

Acute Ingestion: Not known, but expected to cause nausea and diarrhea.

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as probable or suspected human carcinogens.

Section 4: First Aid Measures

Eye Exposure: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

Skin Exposure: Wash thoroughly with water. If irritation or redness develops, seek medical attention.

Inhalation: If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Ingestion: Seek immediate medical attention. **Do not induce vomiting.**

Medical Conditions Possibly Aggravated by Exposure:

Skin contact may aggravate existing skin disease.

Section 5: Fire Fighting Measures

Flash Point: 142° F (60° C)

Method: Tag Closed Cup

Flammability limits (vol/vol%):

Lower: No data available

Upper: No data available

Extinguishing Media: Extinguish with dry chemical, carbon dioxide, or a BC/ABC extinguisher.

Special Fire Fighting Procedures: None known

Unusual Fire and Explosion Hazards:

Product will burn under fire conditions. Closed containers may explode due to build up of pressure when exposed to extreme heat.

Fire Fighting Equipment:

Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Fire fighting equipment should be thoroughly decontaminated after use.

Hazardous Decomposition Materials:

(Under fire conditions) Oxides of nitrogen and carbon.

Section 6: Accidental Release Measures

Cleanup and Disposal of Spill:

This is a biodegradable product. Mop up the spill and dispose of by dilution to a sanitary sewer system as permitted by local, state/provincial, and federal regulations.

Environmental and Regulatory Reporting:

None required.

Section 7: Handling and Storage

Maximum/Minimum Storage Temperature:

39-120° F (3.9-49° C). Protect from freezing. Freezing will not damage the product. Product may be thawed in warm water and then mixed to assure homogeneity.

Handling:

Handle in accordance with good industrial hygiene and safety practices, therefore avoid any contact with skin, eyes, or clothing.

Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

Section 8: Exposure Controls and Personal Protection

General:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. When developing safe handling procedures, do not overlook the need to clean and dispose of the material. Waste resulting from the use of this product should be handled in accordance with Section 13: Disposal Considerations.

Exposure Guidelines:

Exposure limits are recommended worker breathing limits. The following limits apply to this material:

Ingredients	Limits
Isopropyl alcohol	400 ppm OSHA/AACGIH TWA
Sodium Cocoamphoacetate	None established

Engineering Controls: Normal room ventilators

Respiratory Controls:

For reasonable uses of this material, respiratory protection should not be necessary.

Eye/Face Properties: Safety glasses to protect from splashing.

Skin Protection: Rubber or plastic gloves to avoid drying and irritation to the skin.

Work Practice Control: Normal hygiene in the work area should be taken when working with or handling this product.

Section 9: Physical and Chemical Properties

Appearance: Clear pale amber liquid

pH: 11.9-12.5 as concentrate

Water Solubility: Soluble

Freezing Point Range: Not established

Vapor Pressure: Not established

Percent Volatiles by Volume: Approximately 80% as water

Odor: Detergent like odor

Specific Gravity @ 25/25° C: 1.02

Melting Point Range @ 760 mm Hg: Not available

Boiling Point @ 760 mm Hg: = 212° F (100° C)

Vapor Density (Air = 1): Not established

V.O.C. (calculated): 0.46 lbs/gallon or 55.1 g/liter

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

Section 10: Stability and Reactivity

Chemical Stability:

Product is stable under normal storage and handling conditions as described in Section 7.

Conditions to be avoided:

Heat and open flames

Materials/Chemicals to be Avoided:

Strong acids, strong oxidizing agents, aluminum

Decomposition Type:

Thermal. Oxides of carbon and nitrogen.

Hazardous Polymerization:

Will not occur.

Section 11: Toxicological Information

Acute Eye Irritation: Irritating to Eyes

Acute Skin Irritation: No test data found for this product.

Acute Dermal Toxicity: No test data found for this product.

Acute Respiratory Irritation: No test data found for this product.

Acute Inhalation Toxicity: No test data found for this product.

Acute Oral Toxicity:

LD_{50 (rat)} = 17.2 ml/kg for sodium cocoamphoacetate

LD_{50 (rat)} = 3600 mg/kg for isopropyl alcohol

Chronic Toxicity:

This product does not contain any substances that are considered by OSHA, NIP, IARC or ACGIH to be a possible or suspected human carcinogen. No additional test data were found for this product.

Section 12: Ecological Information

Exotoxicity: No information found in our selected references.

Environmental Fate: No information found in our selected references.

Bioaccumulation: No information found in our selected references.

Section 13: Disposal Considerations

This product is biodegradable and can be disposed of in sanitary sewer system where permitted by local, federal and state regulations. Some consideration should be given to what materials might have been picked up by the product during use in a cleaning application which might negate the acceptability of sewer disposal.

Section 14: Transport Information

This product is classified as a combustible liquid for domestic USA shipments per 49 CFR 175.150 3 (f). Do not stack cartons more than five high.

This product is not hazardous under the applicable DOT, ICAO/IATA, or IMDG regulations.

Section 15: Regulatory Information

TSCA Inventory: All components are listed.

Canadian DSI: All components listed

European Community EINECS/ELINS: All components listed

SARA Hazard Notification

Hazard Categories Under Title III Rules (40 CFR 370): Not Applicable
Section 313 Toxic Chemical(s): Not Applicable

CERCLA Reportable Quantity: Not Applicable

Refer to Section 2 for OSHA Hazardous Chemical(s) and Section 13 for RCRA classification.

California Prop. 65:

Proposition 65 requires manufacturers or distributors of consumer products into the State of California to provide a warning statement if the product contains ingredients for which the State has found to cause cancer, birth defects or other reproductive harm. If this product contains an ingredient listed by the State of California to cause cancer or reproductive toxicity, it will be listed below:

No data has been generated to our knowledge whether this material has been found to cause cancer, birth defects or other reproductive harm. Therefore, to be on the safe side, we would advise treating this product as if it does have those properties and respond accordingly.

Section 16: Other Information

Disclaimer of Liability:

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to

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