

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 #07696-AB SPI Supplies® Brand Glass Knife Boat Sealer Black](#)

Section 1: Identification

Date Effective..... January 8, 2009
 (most recent revision)

Chemical Name/Synonyms... Black Nail Enamel

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 Supplies® Brand Glass Knife Boat Sealer Black
 Synonyms..... Black Nail Enamel

Hazardous Material Information System USA	Health	2	National Fire Protection Association USA	
	Fire Hazard	3		
	Reactivity	0		
	Personal Protection			

NFPA Rating:
 (estimated) Health: 2 ; Flammability: 3 ; Reactivity: 0

Section 2: Composition

Component Name	CAS #	EC#
Ethyl Acetate	141-78-6	205-500-4
Butyl Acetate	13-86-4	204-658-1
Isopropyl Alcohol	63-67-0	200-661-7
Nitrocellulose	9004-70-0	none
Polyester Resin	Not available	none
Trimethyl pentanediol di-isobutyrate	6846-50-0	229-934-9
Triphenyl phosphite	115-86-6	204-112-7
Styrene acrylic polymers	not available	none

Section 3: Hazard Identification

Emergency overview:

Appearance: Black enamel paint

Flash Point: 24°F (Tag Closed Cup)

Warning! Flammable liquid

Target Organs: Eyes, Skin, Nervous system

Potential Health Effects

Eye: May cause irritation or burning eyes.

Skin: Prolonged or repeated skin contact may cause irritation or contact dermatitis.

Ingestion: In case of ingestion, seek medical attention.

Inhalation: May cause nose and throat irritation.

Chronic: Repeated and prolonged overexposure to solvent has been associated with permanent brain damage.

Section 4: First Aid Measures

Eyes: In case of eye contact, immediately flush with copious amounts of water for at least 15 minutes. Seek medical attention.

Skin: In case of skin contact, wash with plenty of soap and water. If irritation occurs, seek medical attention.

Ingestion: Seek medical attention.

Inhalation: Remove to fresh air. If symptoms persist, seek medical attention.

Section 5: Fire Fighting Measures

Flash Point: 24°F (Tag Closed Cup)

General Information:

Flammable vapors may be emitted if heated above the flash point. Fine mists or sprays may be flammable at temperatures lower than the flash point.

Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

Protection:

Toxic decomposition products may form under fire conditions. Wear full protective clothing and a full facepiece, positive pressure, self contained breathing apparatus (SCBA). Water fog may be used to cool containers to prevent pressure build-up:

Unusual Fire and Explosion Hazards:

Keep away from sparks and open flames. Do not smoke in area with open product. The solvent vapors are heavier than air and may travel along the floor to a source of ignition and flashback. Use the product in areas and equipment with appropriate National Electrical Code (NEC) classification. Consider the need for spark proof tools. If the product could be heated above its flash point during processing or use, remove all sources of ignition, such as sparks, flames, or static discharge to prevent vapor ignition.

Section 6: Accidental Release Measures

General Information:

Ventilate area. Remove sources of ignition. Prevent skin contact. Do not breathe vapors.

Spills/Leaks:

Confine and remove with inert absorbent. Dispose of in accordance with all applicable Federal, State and Local Regulations.

Section 7: Handling and Storage

Handling:

Use in accordance with good industrial practice. Avoid skin and eye contact. Avoid breathing vapors. Wash thoroughly after handling.

Storage:

Store in tightly closed original container in dry, cool area. Do not store over 120°F.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Use local exhaust. Eye bath and safety shower should be available to the work place.

Exposure Limits:

Chemical Name	ACGIH-TWA, ppm	OSHA PELs, ppm
Ethyl acetate	400.00	400.00
Butyl acetate	150.00	150.00
Isopropyl alcohol	400.00	400.00
Nitrocellulose	400.00	not available
Polyester resin	not available	not available
Trimethyl pentanediol di-isobutyrate	not available	not available
Triphenyl phosphate	not available	not available
Styrene acrylic polymers	not available	not available

Personal Protective Equipment

Eyes: Safety glasses with splash guards and side shields

Skin: Neoprene gloves

Clothing: Coveralls

Respirators: Use with adequate ventilation and avoid breathing vapors.

Section 9: Physical and Chemical Properties

Physical State: liquid

Appearance: shiny black

Odor: strong solvent

pH: not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Slower than ether

Viscosity: Not available

Boiling Range: 171 - 640°F

Freezing/Melting Point: Not available

Autoignition Temperature: Not available

Flash Point: 24°F

Decomposition Temperature: Not available

Explosion Limits:

Lower: Not available

Upper: Not available

Solubility in water: Not available

Specific Gravity/Density: Not available

Molecular Formula: Not available

Molecular Weight: Not available

Section 10: Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Do not store over 120°F

Incompatibility with Other Materials: Acids, Alkalis and Peroxides

Hazardous Decomposition of Products: Carbon monoxide, Carbon dioxide, Nitrous Oxides, Smoke

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

CAS#:	RTECS#:
141-78-6	AH5425000
123-86-4	AF7350000
67-63-0	NT8050000
6846-50-0	SA1420000
115-86-6	TC8400000

LD₅₀/LC₅₀ Information:

CAS# 141-78-6			
LD50	Rat, oral	5620 mg/kg	
LC50	Rat, inhalation	200,000 mg/m ³	
LD50	Rabbit, oral	4935 mg/kg	
DL50	Rabbit, skin	>20 ml/kg	
CAS# 123-86-4			
LD50	Rat, oral	10768 mg/kg	
LC50	Rat, inhalation	390 ppm	
LD50	Rabbit, oral	3200 mg/kg	
LD50	Rabbit, skin	>17600 mg/kg	
CAS# 67-63-0			
LD50	Rat, oral	5045 mg/kg	
LC50	Rat, inhalation	16,000 ppm	
LD50	Rabbit, oral	6410 mg/kg	
LD50	Rabbit, skin	12800 mg/kg	
CAS# 6846-50-0			
	Guinea pig, skin	5,000 mg/kg	mild irritation effect
CAS# 115-86-6			
LD50	Rat, oral	3500 mg/kg	
LC50	Mammal, inhalation	4,200 mg/m ³	
LD50	Mouse, oral	1320 mg/kg	
LD50	Rabbit, skin	>7,900 mg/kg	

Section 12: Ecological Information

No data available.

Section 13: Disposal Considerations

Use only licensed transporters and permitted disposal facilities and conform

to all laws. Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused materials, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Section 14: Transport Information

US DOT Hazard Class:

Flammable Liquid Class 1B
UN No. 1263
Packing Group II
Hazard Class 3

IATA (for international shipments):

Flammable Liquid
UN No. 1263
Packaging Group II
Hazard Class 3

Section 15: Regulatory Information

United States:

TSCA

All components of this product are listed on the TSCA Inventory List or are not required to be listed.

CERCLA Section 103:

CAS# 141-78-6 has an RQ of 5,000 lbs.
CAS# 123-86-4 has a RQ of 5,000 lbs.

SARA

Section 313

CAS# 67-63-0 is listed under SARA Section 313.

California Prop. 65:

None of the components of this product are listed under California Prop. 65.

European/International Regulations:

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi irritant; F highly flammable

Risk Phrases:

R11 Highly flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapors may cause drowsiness and dizziness.

Safety Phrases:

S2 Keep out of reach of children.
S7 Keep container tightly closed.
S16 Keep away from sources of ignition " No smoking.

- S24/25 Avoid contact with skin and eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S33 Take precautionary measures against static discharges.

WGK (Water Danger/Protection) :

CAS# 67-63-0 : 1

Canada :

This product has a WHMIS classification of B2.

DSL/NDSL :

- CAS# 141-78-6 is on the DSL List and is not on the NDSL List.
- CAS# 123-86-4 is on the DSL List and is not on the NDSL List.
- CAS# 67-63-0 is on the DSL List and is not on the NDSL List.
- CAS# 9004-70-0 is on the DSL List and is not on the NDSL List.
- CAS# 6846-50-0 is on the DSL List and is not on the NDSL List.
- CAS# 115-86-6 is on the DSL List and is not on the NDSL List.

Section 16: Other Information

If this product should be used in ways that are outside of the intended applications in scanning electron microscope laboratories, and if it is going to be formulated into some other system, so that it becomes just another component of that other system, read the MSDS sheets for the other components before blending as the resulting mixture may have the hazards of all of its parts.

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 customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute.

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levels could have substantially different properties.

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