SPI Supplies Division
Structure Probe, Inc.
206 Garfield Ave., West Chester, PA 19380-4512 USA
Phone: 1-(610)-436-5400 **Fax:** 1-(610)-436-5755
salesi@2spi.com
http://www.2spi.com
Manufacturer's CAGE: 1P573

Safety Data Sheet

Date Effective: November 10, 2017

SPI Catalog # 07696-AB

SPI Supplies® Brand Glass Knife Boat Sealer Black, 0.5 ounce

Section 1.1: Identification

Chemical Name/Synonyms ..... Black Lacquer

Product or Trade Name ..... SPI Supplies® Brand Glass Knife Boat Sealer Black 0.5 oz

Chemical Formula..... Mixture

Section 1.2: Relevant Uses/Restrictions

Glass knife boat sealer, 0.5 ounce.

Section 1.3: Supplier of the Safety Data Sheet

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Section 1.4: Emergency telephone number

Emergencies
Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...
Worldwide phone: 1-(703)-741-5970
Toll-free phone: 1-(800)-424-9300 USA + Canada only

Section 2: Hazard Identification

2.1 Classification of the substance

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Serious eye irritation (category 2A)
Specific Target Organ Toxicity – single exposure (category 3)
Flammable liquids (category 2)

2.2 Label elements

Pictogram

Signal Word: DANGER

Hazard statements:

H225 Highly flammable liquid and vapor
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness
H402 Harmful to aquatic life

Precautionary statements:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/ bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P254 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice / attention.
P403 + P233 Store in well-ventilated place. Keep container tightly closed.
P253 Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other Hazards:

Chemical	CAS Number	RTECS Number
Ethyl acetate	141-78-6	AH5425000
Butyl acetate	123-86-4	AF7350000
Isopropyl alcohol	67-63-0	NT8050000
Triphenyl phosphate	115-86-6	TC8400000

Hazardous Material Information System USA

Health 2
Fire Hazard 3
Reactivity 1
Personal Protection .....

NFPA Rating (estimated)

Health 2
Flammability..... 3
Reactivity 1

Section 3: Composition

3.1 Substances:

3.2 Mixtures:

Chemical Name	CAS Number	Percentage	Exposure Limits(ACGIH/OSHA-TWA/PEL)
Ethyl acetate	141-78-6	25-30	150 ppm
Butyl acetate	123-86-4	25-30	400 ppm
Isopropanol	67-63-0	12-18	400 ppm
Nirtocellulose	9004-70-0	8-13	
Triphenyl phosphate	115-86-6	1-5	

Section 4: First Aid Measures

4.1 Description of first aid measures:

INHALATION: Remove to fresh air. Seek medical attention.

SKIN: Wash affected area with soap and water.

EYES: Immediately flush eyes with large amounts of water for 15 minutes. Seek medical attention.

INGESTION: Do not induce vomiting. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed:
No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed:
No additional information available.

Section 5: Fire Fighting Measures

5.1 Extinguishing media: Carbon dioxide. Foam. Dry chemical.

5.2 Special hazards arising from the substance or mixture

When heated above the flash point [24 °F(-4 °C)] flammable vapors may be emitted. Fine mists or sprays may be flammable at temperatures below the flash point.

5.3 Advice for firefighters

Special protective equipment and precautions for firefighters: Full protective equipment, including self-contained breathing apparatus is recommended. Water from fog nozzle may be used to cool containers to prevent pressure build-up.

Section 6: Accidental Release Measures

6.1 Personal precautions:

Use suitable protective clothing/equipment.
Eliminate all sources of ignition.
No smoking.
Prevent skin contact.
Do not breathe vapors.

6.2 Environmental precautions:

Do not allow to enter water courses or drains.

6.3 Methods and material for containment and cleaning up:

Contain with earth, sand, or other inert absorbent.
Sweep up.
Dispose of in accordance with local, state, and federal regulations.

6.4 Reference to other sections:

For disposal, see Section 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling:

Protective measures:

No smoking.
Close container after each use.
Wash hands thoroughly after using.
Minimize exposure by inhalation or skin contact.

7.2 Conditions for safe storage, including any incompatibilities:

Keep away from heat, sparks, flames, ignition sources.
Store in a cool, dry place.
Protect containers against damage.
Deep closed when not in use.

7.3 Specific end uses:

Section 8: Exposure Controls and Personal Protection

8.1 Control parameter and Personal Protection:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl acetate, 141-78-6	TWA: 400 ppm	TWA: 400 ppm	IDLH: 2000 ppm
Butyl acetate, 123-86-4	TWA: 150 ppm	TWA: 150 ppm	IDLH: 1700 ppm
Isopropyl alcohol, 67-63-0	TWA: 200 ppm	TWA: 400 ppm	IDLH: 2000 ppm
Triphenyl phosphate, 115-86-6	TWA: 3 mg/m^3	TWA: 3 mg/m^3	IDLH: 1000 mg/m^3

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Provide sufficient ventilation to keep solvent vapor less than the TLV.

8.2.2 Individual protection measures:

Eye: Approved eye protection to safeguard against potential eye contact, irritation, or injury.
Skin: Protective gloves to guard against possible skin irritation.
Respiratory protection: Advised when concentrations exceed the TLV.

8.2.3 Environmental exposure controls:
No additional information available.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Black, liquid

Odor: Strong solvent

Odor threshold: Not determined

pH: Not determined

Melting point/Freezing point: Not determined

Boiling point/Boiling point range: >165 °F (74 C)

Flash Point: 24 °F (-4° C)(Tag Closed Cup)

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

Upper/lower flammability or explosive limits: Not determined

Vapor Pressure: Not determined

Vapor density: Heavier than air

Relative density: Not determined

Solubility: Insoluble

Partition coefficient (n-octanol/water): Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

Explosive properties: Not determined

Oxidizing Properties: Not determined

Percent volatiles: 72-76%

9.2 Other information

No additional information available.

Section 10: Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Chemical Stability: Stable

10.3 Hazardous Polymerization: Will not occur.

10.4 Conditions to avoid: Extreme temperature, flame, electric spark, static, heat.

10.5 Incompatible materials: Strong oxidizing agents, Acids, Alkalines, Peroxides.

10.6 Hazardous decomposition products: Carbon monoxide, Carbon dioxide, Nitrous oxides, Smoke.

Section 11: Toxicological Information

Information on the likely routes of exposure

Inhalation: Prolonged inhalation may be harmful. May cause drowsiness, headaches, nausea, vomiting, and narcosis. May cause lung irritation.

Skin Contact: Mild skin irritant. May cause non-allergic contact dermatitis.

Eye Contact: Eye irritant, both liquid and vapor.

Ingestion: Causes gastro-intestinal irritation, nausea, vomiting, and diarrhea.

11.1 Information on toxicological effects

A. Acute toxicity: Does not present an acute toxicity hazard based on known or supplied information for the 0.5 ounce container.

B. Skin corrosion/irritation: May cause skin irritation.

C. Serious eye damage/irritation: Causes serious eye irritation.

D. Respiratory of skin sensitization: May cause sensitization by skin contact.

E. Germ cell mutagenicity: No data available.

F. Carcinogenicity:
Isopropyl alcohol, 67-63-0, according to IARC is Group 3, Not Classifiable as to Carcinogenicity in Humans.

G. Reproductive toxicity: No data available.

H. STOT-single exposure:

Ingredient	Category	Target Organs
Ethyl acetate	Category 3	Narcotic Effects
Butyl acetate	Category 3	Narcotic Effects
Isopropyl alcohol	Category 3	Narcotic Effects

I..STOT-repeated exposure: No data available.

J. Aspiration hazard: No data available.

Section 12: Ecological Information

12.1 Toxicity:

LD_{50}/LC_{50} 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# 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

12.2 Persistence and degradability: No data available.

12.3 Bio-accumulative potential: No data available.

12.4 Mobility in soil: No data available.

12.5 Results of PBT and vPvB assessment: No data available.

12.6 Other adverse effects: No additional data available.

Section 13: Disposal Considerations

13.1 Waste treatment methods:

Dispose of contents / containers / packagings in accordance with local/ state / federal / and international regulations.

Product contains toxic, ignitable components.

Section 14: Transport Information

DOT:

UN number: UN 1263
UN proper shipping name: Paint
Hazard class: 3
Packing group: II

IATA:

UN number: UN 1263
UN proper shipping name: Paint
Hazard class: 3
Packing group: II

IMDG:

UN number: UN 1263
UN proper shipping name: Paint
Hazard class: 3
Packing group: II

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture

SARA Section 302: No components listed.

SARA Sections 311 and 312:

Isopropyl alcohol (67-63-0): Fire hazard, Acute health hazard.
Butyl acetate (123-86-4): Fire hazard, Chronic health hazard.
Ethyl acetate (141-78-6): Fire hazard, Acute health hazard, Chronic health hazard.

SARA Section 313:

Isopropyl alcohol (67-63-0) listed.

RCRA:

Butyl acetate (123-86-4): 5,000 RQ
Ethyl acetate (141-86-6): 5,000 RQ

TSCA: All components are listed.

CERCLA: No components are listed.

CANADA:

This product has a WHMIS classification of B2.
CAS # 141-78-6 is on the DSL List.
CAS # 123-86-4 is on the DSL List.
CAS # 67-63-0 is on the DSL List.
CAS # 9004-70-0 is on the DSL List.
CAS # 115-86-6 is on the DSL List.

OTHER:

WGK (Water Danger/Protection):

CAS # 67-63-0: 1

15.2 Other information:

Date of preparation: November 10, 2017.

Abbreviations and acronyms

IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
CMRG: Chemical Manufacturer's Recommended Guidelines
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bio-accumulative and Toxicological
vPvB: very Persistent and very Bio-accumulative
NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety Health
ATE: Acute Toxicity Estimates
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
STEL: Short Term Exposure Limit
CEIL: Ceiling

Section 16: Other Information

Disclaimer of Liability:

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