

SPI Supplies Division

Structure Probe, Inc.

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Manufacturer's CAGE: 1P573

Safety Data Sheet

Date Effective: February 22, 2024

02466-BA, 02466-MB SPI-Chem™ Pioloform® B Resin

Section 1: Identification

Chemical Name/Synonyms..... Polyvinylbutyral

Chemical family..... Polyvinyl butyral resins

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..... Pioloform® B Resin

CAS #'s..... 63148-65-2

Chemical Formula..... Not known

Identified use: Laboratory chemical

Hazards Identification

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

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity – single exposure (Category 3), Respiratory system

GHS Label elements

Pictogram:



Signal Word: Warning

Hazard Statements:

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray

P264 Wash skin thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/ eye protection/ face protection.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.
 P337 + P313 If eye irritation persists: get medical advice/ attention.
 P233 Keep container tightly closed.
 P362 Take off contaminated clothing and wash before reuse.
 P403 Store in a well-ventilated place.
 P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified: Combustible dust.

Hazardous Material Information System USA

Health..... 2
 Fire Hazard..... 0
 Reactivity..... 0
 Personal Protection.....

NFPA Rating (estimated)

Health..... 2
 Flammability..... 0
 Reactivity..... 0

Section 2: Composition

Polyvinylbutyral CAS No. 63148-65-2 >99%

Section 3: Hazard Identification

Physical Health Hazards:

None known.

Physical state: Solid

Color: White powder

Odor: Slightly pungent

Odor threshold: No data available

Potential Health Effects:

Routes of exposure

Eye, ingestion, skin contact

Signs and Symptoms of Acute Exposure:

Not known.

Skin contact:

May cause irritation.

Inhalation:

May cause irritation.

Eye contact:

May cause irritation.

Ingestion:

May cause irritation. The toxicological properties of this substance
Have not been fully studied.

Chronic Health Effects Summary:

No known chronic health effects.

Conditions Aggravated by Exposure:

No known conditions are aggravated by this material.

Section 4: First Aid Measures

Take proper precautions to ensure your own health and safety before attempting to rescue and providing first aid. These practices include avoiding all unnecessary exposure and removal of the material from eye, skin, and clothing. For specific information refer to the Emergency Overview in Section of this MSDS.

Inhalation:

If symptoms are experienced, move victim to fresh air, if symptoms persist, obtain medical attention.

Eye Contact:

Wash eyes with clean low-pressure water. If irritation persists, seek medical advice.

Skin Contact:

If powdered or dust form of the material contacts the skin, immediately flush the skin with large amounts of water. If irritation or other symptoms persist, seek medical attention.

Ingestion:

Adverse health effects due to ingestion are not anticipated. If gastric irritation or discomfort persists, seek medical advice.

Section 5: Fire Fighting Measures

NFPA Rating:

Health: 2

Fire hazard: 0

Reactivity: 0

Flammability classification: Not classified.

Flash Point/Method: Not applicable

Auto-Ignition Temperature: 390 °C

Flammable Limits:

Lower: Not applicable

Upper: Not applicable

Extinguishing Media:

Water spray, Carbon dioxide, Dry chemical powder, Chemical foam.

Fire Fighting Instructions:

Protective Equipment/Clothing: Wear a NIOSH approved positive pressure self-contained breathing apparatus and firefighter turnout gear. There could be the evolution of toxic products of combustion. Firefighting equipment should be fully decontaminated after use.

Instructions:

Use flooding quantities of water until well after fire is out.

Exposure hazards:

This material is an irritant.

Section 6: Accidental Release Measures

Personal Protection:

Wear personal protection as noted in Section 8.

Release response:

Vacuum or sweep up material and store in an appropriate container for disposal.

Section 7: Handling and Storage

Handling:

Do not breathe dust. Avoid contact with eyes, skin, clothing.

Storage:

Keep container dry, cool. Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Safety shower, eye bath, and mechanical exhaust required.

Personal Protection:

Inhalation: Use government approved respiratory protection where atmosphere exceeds recommended limits or if irritation develops.

Skin: Protective clothing such as long sleeves or a lab coat should be worn.

Gloves: Wear chemical-resistant gloves.

Eye: Always use safety glasses or goggles.

Section 9: Physical and Chemical Properties

Boiling Point/Range: Not available

pH: Not available

Vapor Pressure: Not available

Viscosity: Not available

Specific Gravity: (Water = 1): 1.08

Solubility: Not available

Melting/Freezing Point: Not available

Evaporation Rate: Not available

Section 10: Stability and Reactivity

Chemical Stability:

The product is stable and does not undergo a hazardous polymerization.

Conditions to Avoid:

Avoid contact with strong oxidizing agents.

Hazardous Products of Deposition:

Carbon dioxide, carbon monoxide

Section 11: Toxicological Information

Summary:

Causes eye and skin irritation. May be harmful by inhalation, ingestion, or skin absorption.

Skin Effects:

May cause skin irritation.

LD50/LC50:

Draize test, rabbit, eye: 100 mg/24H

Subchronic Effects:

None known

Carcinogenicity

Not listed by IARC, ACGIH, NTP, OR OSHA as probable, possible, confirmed, potential and/or anticipated carcinogen.

Reproductive toxicity: No data available.

Specific target organ toxicity – single exposure: May cause respiratory irritation. No further data available.

Specific target organ toxicity – repeated exposure: No data available.

Aspiration hazard: No data available.

RTECS: TR4955000

Section 12: Ecological Information

Exotoxicity: Exotoxicity is expected to be low based on the low water solubility of polymers. No other information is known on this topic.

Environmental Fate: No information found in our selected references.

Bioaccumulation: Not expected to occur.

Section 13: Disposal Considerations

Polyvinylbutyral is not a "hazardous waste" as that term is defined in the Resource Conservation and Recovery Act (RCRA), 40 DFR 261, "Identification and Listing of Hazardous Waste". Burn in an approved incinerator or dispose of in an approved landfill in accordance with all applicable local, state, and federal laws and regulations. Consult your appropriate regulatory officials for information on such disposal.

Section 14: Transport Information

DOT(US): Not dangerous goods.

IMDG: Not dangerous goods

IATA: Not dangerous goods

Section 15: Regulatory Information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

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.

SARA 311/312

Acute Health Hazard

State Right To Know Regulations

CAS# 63148-65-2 is listed on the NJ and PA lists.

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Canada:

CAS# 63148-65-2 is listed on Canada's DSL list.
CAS# 63148-65-2 is not listed on Canada's NDSL list.
WHMIS: not available

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 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. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues of fluids.

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