

Safety Data Sheet

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SPI Supplies Division

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Manufacturer's CAGE: 1P573

SPI Catalog# 01300-XX
SPI Cold Mount Epoxy Kit Resin

Section 1: Identification

Chemical Name/Synonyms..... Cold Mount Epoxy Resin

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

Product or Trade Name..... SPI Cold Mount Epoxy Resin

CAS #'s..... 25068-38-6; 68609-97-2

Chemical Formula..... Mixture

Section 2: Hazard Identification

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

Aquatic, Chronic (Category 2)

Skin Irritant (Category 2)

Eye Irritant (Category 2A)

Skin Sensitization (Category 1)

GHS Label Elements, including precautionary statements:



Signal word: Warning

Hazard-determining components of labeling:

Reaction Product of Bisphenol A and Epichlorohydrin oxirane, mono[(C12-14-alkyloxy)methyl] derivs

Alkyl C12-C14 Glycidyl Ether

Hazard Statements:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H310 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children
- P103 Read label before use
- P321 Specific treatment (see on this label)
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P273 Avoid release to the environment
- P264 Wash thoroughly after handling
- P272 Contaminated work clothing should not be allowed out of the workplace
- P302 + P352: If on skin wash with plenty of soap and water.
- PP305 + P351 + P338 Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P362 Take off contaminated clothing and wash before reuse
- P322 + P313 If skin irritation occurs get medical advice/attention.
- P337 + P313 If eye irritation persists get medical advice/attention
- P391 Collect spillage
- P501 Dispose of contents/container to a licensed waste disposal service.

Hazardous Material Information System USA

- Health..... 1
- Fire Hazard..... 1
- Reactivity..... 0
- Personal Protection.....

NFPA Rating (estimated)

- Health..... 1
- Flammability..... 1
- Reactivity..... 0

Section 3: Composition

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous Components:

Name	CAS#	Percentage	Other Identification
Reaction Product of Bisphenol A and Epichlorohydrin	25068-38-6	50 – 100%	NLP: 500-033-5

oxirane, mono [(C12-14-alkyloxy)methyl] derivs

Alkyl C12-C14 Glycidyl Ether

68609-97-2

5-<10%

EINICS: 271-846-8

Section 4: First Aid Measures

Description of First Aid Measures:

After inhalation:

Supply fresh air and to be sure seek medical attention. In case of unconsciousness, place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

If symptoms persist consult a doctor.

Information for doctor:

No further relevant information available.

Section 5: Fire Fighting Measures

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture: No further relevant information available.

Protective equipment: No special measures required.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Not required.

Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7: Handling and Storage

Handling:

Precautions for safe handling:

Ensure good ventilation/ exhaustion at the workplace.

Prevent formation of aerosols.

Information about protection against explosions and fires:

No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep receptacle tightly sealed.

Section 8: Exposure Controls and Personal Protection

Additional information about design of technical systems:

No further data; see Section 7.

Control parameter:

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Addition information:

The lists that were valid during the creation were used as basis.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skins.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulation air.

Protection of hands:

Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of glove material should be based on consideration of the penetration times, rates of diffusion and the degradation rate.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacture of the protective gloves and has to be observed.

Eye protection:

Tight sealed goggles.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

General Information:

Appearance:

Form: Liquid
Color: Amber colored

Odor: Characteristic

Odor Threshold: Not determined

pH Value: Not determined

Melting point/range: Not determined

Boiling point/range: Not determined

Flash point: 110°C (203°F)

Flammability : Not applicable

Ignition Temperature: Not known

Decomposition temperature: Not determined

Auto Igniting: Product is not self-igniting

Danger of explosion: Product does not present an explosion hazard

Explosion Limits:

Lower: Not determined

Upper: Not determined

Vapor pressure: Not determined

Density at 20°C (38°F): 1.1484 g/cm³ (9.583 lbs/gal)

Relative density: Not determined

Vapor density: Not determined

Evaporation rate: Not determined

Solubility in/Miscibility with water: Not miscible or difficult to mix

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

Viscosity:

Dynamic: Not determined

Kinematic: Not determined

Solvent content:

Organic solvents: 0.0%

Other information: No further relevant information

Section 10: Stability and Reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity:

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eye: Irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant.

Carcinogenic categories:

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (national Toxicology Program): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

Section 12: Ecological Information

Toxicity:

Aquatic toxicity: No further relevant information available.

Persistence: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Exotoxicological effects:

Remark: Toxic for fish.

Additional ecological information:

General notes:

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: not applicable

Other adverse effects: No further relevant information available.

Section 13: Disposal Considerations

Waste treatment methods:

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Section 14: Transport Information

DOT:

UN Number: not regulated

Proper shipping name: not regulated

Packing group: not regulated

IATA:

UN Number: UN3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)

Transport Hazard Class: 9 Miscellaneous dangerous substances and articles

Label: 9

Packing Group: III

IMDG:

UN Number: UN3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin), MARINE POLLUTANT

Transport Hazard Class: 9 Miscellaneous dangerous substances and articles

Label: 9

Packing Group: III

Environment hazards: Product contains environmentally hazardous substances: Epoxy Resin.

Marine pollutant: Yes

Special marking (IATA): Symbol (fish and tree)

Special precautions for user: Warning: Miscellaneous dangerous substances and articles

Danger code (Kemler): 90

EmS Number: F-A,S-F

UN "Model Regulation": UN3082, Environmentally hazardous substances, liquid, n.o.s. (Epoxy resin), 9, III.

Section 15: Regulatory Information

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

Sara Section 355 (Extremely hazardous substances): None of the ingredients is listed.

Sara Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (Chemicals known to cause cancer, reproductive toxicity for females, reproductive toxicity for males, or developmental toxicity): None of the ingredients is listed.

Carcinogenic categories:

EPA (Environmental Protection Agency): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

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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