

Safety Data Sheet

4-Minute Epoxy Part A/ Part B

Section 1. Identification

Product Identifier 4-Minute Epoxy Part A (resin)

Synonyms 49409A

Manufacturer Stock Numbers 143418

Recommended use Refer to Technical Information

Uses advised against Refer to Technical Information

Manufacturer Contact

Address Dynatex *a division of* Soudal
350 Ring Road
Elizabethtown, KY, 42701
USA

Phone
(270) 769-3385

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(270) 769-6418

Section 2. Hazards Identification

Classification SENSITIZATION - SKIN - Category 1B
SKIN CORROSION/IRRITATION - Category 2
TOXIC TO REPRODUCTION - Category 2

Signal Word Warning

Pictogram



Hazard Statements

Causes serious eye irritation
Causes skin irritation
May cause an allergic skin reaction
Suspected of damaging fertility or the unborn child.

Precautionary Statements

Response

Collect spillage
If exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Read label before use.
Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.
Avoid release to the environment.
Contaminated work clothing must not be allowed out of the workplace.
Do not handle until all safety precautions have been read and understood.
Obtain special instructions before use.
Wash skin and hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Storage

Store locked up.

Disposal

Dispose of contents/container in a manner consistent with federal, state, and local regulations.

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Additional Information

None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
25068-38-6	Bisphenol A / Epichlorohydrin Resin	90% - 100%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Eyes

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

Skin	Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms reoccur. Wash clothing before reuse.
Ingestion	If swallowed, do not induce vomiting. Keep individual calm. Get medical attention and show container label.
Inhalation	Remove patient to fresh air. Administer oxygen if breathing is difficult. Get medical attention if symptoms persist.
Signs and symptoms of overexposure	<p>EYES: Causes eye irritation.</p> <p>SKIN: Irritating to skin. May cause allergic skin reaction with prolonged contact.</p> <p>SKIN ABSORPTION: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.</p> <p>INGESTION: May be irritating. Seek medical advice.</p> <p>INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.</p> <p>ACUTE EFFECTS: Slightly irritating to eyes and respiratory tracts.</p> <p>CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).</p>

Section 5. Fire Fighting Measures
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Suitable Extinguishing Media	Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
Unsuitable Extinguishing Media	None known
Flammability class	Not flammable
Hazardous combustion products	Combustion products may include and are not limited to: Carbon monoxide, carbon dioxide and phenolics.
Fire fighting procedures	Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.
Fire fighting equipment	As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
Hazardous decomposition products	Carbon Dioxide, Carbon Monoxide and other toxic or irritating compounds may form when heated to decomposition.

Section 6. Accidental Release Measures

General procedures

Contain spilled material if possible. Absorb with materials such as: Sand. Polypropylene fiber products. Polyethylene fiber products. Remove residual with soap and hot water. Collect in suitable and properly labeled containers. Residual can be removed with solvent. Solvents are not recommended for clean-up unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. Consult appropriate solvent Safety Data Sheet for handling information.

Comments

This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Section 7. Handling and Storage

General procedures

Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

Handling

Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

Storage

Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

Storage temperature

Ambient room temperature (70F/21C).

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Bisphenol A / Epichlorohydrin Resin	N/A	N/A	N/A

Personal Protective Equipment

Goggles, Gloves, Apron

Engineering controls

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Personal protective equipment

EYES AND FACE:
For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN:
Wear rubber gloves to avoid prolonged skin contact.

RESPIRATORY:
Use only in a well ventilated area.

PROTECTIVE CLOTHING:
Wear rubber gloves & apron.

Work hygienic practices

Avoid contact with skin and eyes. Wash thoroughly after handling.

Section 9. Physical and Chemical Properties

Physical State	Viscous liquid
Color	Light yellow
Odor	Mild
Odor Threshold	No data available
Solubility	5.4 to 8.4 mg/L @ 20c
Partition coefficient Water/n-octanol	N/A
VOC%	0 g/L
Viscosity	10000 to 20000 mPa @ 25°C
Specific Gravity	1.16
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	264C 507F
FP Method	Closed Cup
pH	No data available
Melting Point	No data available
Boiling Point	No data available
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	No data available
Flammability	N/A
Decomposition Temperature	No data available
Auto-ignition Temperature	No data available
Vapor Pressure	No data available
Vapor Density	No data available

Note

The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

Hazardous polymerization Will not occur

Chemical Stability	Stable
Conditions to avoid	Avoid temperatures above 300F (148C).
Hazardous decomposition products	Carbon monoxide, aldehydes, acids and other organic substances may be formed during combustion (>500F) temperature degradation.
Incompatible materials	Strong acids, oxidizing agents, mineral and organic bases, and especially aliphatic amines.

Section 11. Toxicological Information

Acute toxicity	<p>Dermal LD50 23000 mg/kg (rabbit) >2000 mg/kg (rat)</p> <p>Oral LD50 >2000 mg/kg (rat)</p>
Serious eye damage/irritation	Prolonged or repeated skin contact may cause irritation.
Respiratory or skin sensitisation	May cause sensitization.
Germ cell mutagenicity	In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.
Carcinogenicity	<p>IARC: Not listed.</p> <p>NTP: Not listed.</p> <p>OSHA: Not listed.</p>
Reproductive Toxicity	In animal studies, did not interfere with reproduction.

Section 12. Ecological Information

Environmental data	Do not flush to sewer
Ecotoxicological information	Rainbow trout LC50, semi-static test, 96 h: 2 mg/L; Water flea EC50, static test, 48 h, immobilization: 1.8 mg/L; Bacteria IC50, 18 h: >42.6 mg/L.
Bioaccumulation/Accumulation	Bioconcentration potential is moderate (BCF 100 to 3000 or Log Pow 3 to 5).
	Notes: Material is toxic to aquatic organisms (LC50 between 1 and 10 mg/L in the most sensitive species).

Section 13. Disposal

Disposal method	Dispose of in accordance with local, state, and federal regulations.
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Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not regulated
DOT Classification	Not regulated

Packing Group	Not regulated
Air (ICAO/IATA)	SHIPPING NAME: UN3316, CHEMICAL KIT, 9, III
Vessel (IMO/IMDG)	SHIPPING NAME: UN3316, CHEMICAL KIT, 9, III
Comments	The transport information provided in this section only applies to the material formulation/itself, and is not specific to any package/configuration. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organizations to follow all applicable laws, regulations, and rules relating to the transportation of the material.

Section 15. Regulatory Information

SARA Title III (Superfund Amendments and Reauthorization Act)	Fire: No Pressure: No Reactivity: No Acute: Yes Chronic: No
TSCA (Toxic Substance Control Act)	Notes: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute. Epoxy resin (Bisphenol A) 25068-38-6 TSCA Status: All ingredients in this mixture are in compliance with TSCA.
California Prop 65	WARNING: This product can expose you to chemicals including, Bisphenol A which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Section 16. Other Information

Revision Date	6/6/2018
Disclaimer	The data contained herein is based upon information that Soudal Accumetric believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Safety Data Sheet

4-Minute Epoxy Part A/ Part B

Section 1. Identification

Product Identifier 4-Minute Epoxy Part B (hardener)

Synonyms 49409A

Manufacturer Stock Numbers 143418

Recommended use Refer to Technical Information

Uses advised against Refer to Technical Information

Manufacturer Contact

Address Dynatex *a division of* Soudal
350 Ring Road
Elizabethtown, KY, 42701
USA

Phone
(270) 769-3385

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(270) 769-6418

Section 2. Hazards Identification

Classification ACUTE TOXICITY - ORAL - Category 4
EYE DAMAGE/IRRITATION - Category 2B
SENSITIZATION - SKIN - Category 1
SKIN CORROSION/IRRITATION - Category 2

Signal Word Warning

Pictogram



Hazard Statements

Causes eye irritation
Causes skin irritation
Harmful if swallowed
May cause an allergic skin reaction

Precautionary Statements

Response

If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If swallowed: Call a poison center/doctor if you feel unwell.
Read label before use.
Rinse mouth.
Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
Wear protective gloves.

Storage

N/A

Disposal

Dispose of contents/container in accordance with local, state and federal regulations.

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Additional Information

None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
Trade Secret	Mercaptan amine blend	90% - 100%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Ingestion	Do NOT induce vomiting. Administer 3-4 glasses of milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips (if sitting) or to the side (if lying down) to prevent aspiration. Get immediate medical attention.
Inhalation	Remove individual to fresh air. Give oxygen if breathing is labored. If breathing has stopped give artificial respiration. Keep person warm, quiet and seek medical attention.
Skin Contact	Immediately remove contaminated clothing and excess contaminant. Flush skin with water for at least 15 minutes. Wash thoroughly with soap and water. Consult a physician if irritation develops.
Eye Contact	Flush eyes with clean water for at least 20 minutes while holding eyelids open, lifting upper and lower lids. Get immediate medical attention.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Carbon Dioxide, Dry Chemical, Foam, Water Spray
Unsuitable Extinguishing Media	None known
Hazardous Decomposition Products	Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Acrid and toxic fumes with organic amines Ammonia Oxides of carbon Oxides of nitrogen Oxides of sulfur
Unusual Fire or Explosion Hazards	Personnel in vicinity and downwind should be evacuated.
Special Fire Fighting Procedures	Do not enter confined space without full bunker gear. Fire fighters should wear self-contained breathing apparatus and protective clothing to prevent all skin and eye contact with this material. Cool fire exposed containers with water.
Flammability Class	IIIB

Section 6. Accidental Release Measures

Steps to be taken in case of spill or release	Observe all personal protection equipment recommendations. Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent. Local, state and federal regulations may apply to releases and disposal of this material, as well as those materials and items employed in cleanup of releases.
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Section 7. Handling and Storage

Storage	Store in a cool, dry area away from high temperatures and flames. Keep containers closed when not in use.
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Handling Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics or using toilet facilities. Launder contaminated clothing and protective gear before reuse. Discard contaminated leather articles. Handle mixed resin and hardener in accordance with potential hazard of the curing agent used. Provide appropriate ventilation/respiratory protection against decomposition products during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Mercaptan amine blend	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves			
Eye Protection	Chemical goggles if liquid contact is likely, or safety glasses with side shields.			
Skin Protection	Chemical resistant rubber (e.g. neoprene, butyl rubber, nitrile) gloves and other protective gear as needed to prevent skin contact.			
Respiratory Protection	None needed in normal use with proper ventilation. In poorly ventilated areas used NIOSH approved organic vapor cartridge respirator for uncured resin, dust/particle respirators during grinding/sanding operations of cured resin, or fresh air line respirator as exposure levels dictate.			
Ventilation	Use ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits (or to lowest feasible limits when limits have not been established). Although good general mechanical ventilation is usually adequate for most industrial applications, local exhaust ventilation is preferred. Local exhaust may be required for confined areas.			
Other Precautions	Have emergency shower and eye wash available.			

Section 9. Physical and Chemical Properties

Physical State	Viscous liquid
Color	Pale yellow
Odor	Sulfur odor
Odor Threshold	No data available
Solubility	Slightly soluble in water
Partition coefficient Water/n-octanol	N/A
VOC%	VOC compliant for sale in CA

Viscosity	10000 to 16000 cps @ 25C
Specific Gravity	1.17
Density lbs/Gal	N/A
Pounds per Cubic Foot	7
Flash Point	110C 230F
FP Method	DIN 51758
pH	Not established
Melting Point	Not established
Boiling Point	>200C
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not established
Flammability	N/A
Decomposition Temperature	Not established
Auto-ignition Temperature	Not established
Vapor Pressure	Not established
Vapor Density	1.1 g/cc @ 25C

Note The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

Hazardous Polymerization	Hazardous polymerization should not occur under normal conditions. However, user should be aware that heat is generated when resin is mixed with curing agents; runaway cure reactions may char and decompose resin, generating unidentified fumes and vapors which may be toxic.
Materials to Avoid / Incompatibility	Strong oxidizing agents. Amines.
Conditions to Avoid	Open flame and extreme heat.
Chemical Stability	Stable

Section 11. Toxicological Information

Carcinogenicity No data

Teratogenicity	No data
Mutagenicity	No data
Other Chronic Effects	No data
NIOSH - Selected LD50s and LC50s	Mercaptan amine blend Oral LD50 (rat) Not determined Dermal LD50 (rabbit) Not determined Inhalation LC50 4 hour (rat) Not determined

Section 12. Ecological Information

Environmental Effects	Complete information is not yet available.
Fate and Effects in Waste Water Treatment Plants	Complete information is not yet available.
Environmental Fate and Distribution	Complete information is not yet available.

Section 13. Disposal

Waste Disposal Method	We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes. This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.
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Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not regulated
DOT Classification	Not regulated
Packing Group	Not regulated
Ocean Shipment (IMDG)	Not subject to IMDG code.
Air Shipment (IATA)	Not subject to IATA regulations.

Section 15. Regulatory Information

TSCA Status	All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.
SARA Title III Section 302 Extremely Hazardous Substances	None

SARA Titre III Section 304 None

CERCLA Substances
dangereuses

SARA Title III Section 312 Acute: Yes
Hazard Class Chronic: Yes
Fire: No
Pressure: No
Reactive: No

SARA Title III Section 313 None present or none present in regulated quantities.
Toxic Chemicals

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other reproductive harm.

Section 16. Other Information

Revision Date 6/6/2018

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