



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Rapid Set TXP Epoxy Primer Part A

**Other means of identification**

**Product code** 183040000

**Recommended use** Industrial use.

**Recommended restrictions** Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

### Manufacturer/Importer/Supplier/Distributor information

**Company name** CTS Cement Manufacturing Corporation

**Address** 11065 Knott Ave Suite A  
Cypress, CA 90630  
United States

**Telephone** 1-800-929-3030

**E-mail** [info@ctscement.com](mailto:info@ctscement.com)

**Contact person** Safety Officer

**Emergency telephone number** 1-800-929-3030 (8 AM - 5 PM)

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health Hazards**

Skin Irritant	Category 2
Eye Irritant	Category 2
Skin Sensitizer	Category 1

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

**Precautionary statement**

**Prevention** Avoid breathing mist/vapors/spray. Wear protective gloves/eye protection. Avoid release to environment. Wash thoroughly after handling.

**Response** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

**Additional Information** Contains epoxy constituents. May produce an allergic reaction.

**Hazard(s) not otherwise classified (HNOC)** None known.

### 3. Composition/information on ingredients

#### Mixture

**Description:** Mixture of substances listed below with nonhazardous additions

Chemical name	CAS number	%
Reaction Product: bisphenol – A – (epichlorohydrin) epoxy resin (number average molecular weight $\leq$ 700)	25068-38-6	20-30
Silicon Dioxide	14808-60-7	10-20
Neopentyl glycol diglycidyl ether	17557-23-2	5-10
Solvent Naphtha (Petroleum), Heavy Aromatic	64742-94-5	< 3

### 4. First-aid measures

<b>Inhalation</b>	Remove the affected person immediately to fresh air. Call a doctor in case of complaints.
<b>Skin contact</b>	Immediately rinse with water. If skin irritation occurs: consult a doctor.
<b>Eye contact</b>	Remove contact lenses, if present and easy to do. Rinse opened yet for several minutes under running water. If symptoms persist, consult a doctor.
<b>Ingestion</b>	Immediately rinse mouth and drink plenty of water. Do not induce vomiting; call for medical help immediately.

**Most important symptoms/effects, acute and delayed** Allergic reactions. Nausea. Coughing. Gastric or intestinal disorders. Irritant to skin and mucous membranes. Irritant to eyes.

**Indication of immediate medical attention and special treatment needed** Contains reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq$  700). May produce an allergic reaction. If necessary oxygen respiration treatment. Later observation for pneumonia and pulmonary edema. Medical supervision for at least 48 hours.

**General information** Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation is recommended for at least 48 hours after accident.

### 5. Fire-fighting measures

**Suitable extinguishing media** Water haze or fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use water with full jet or water spray.

**Specific hazards arising from the chemical** Formation of toxic gases is possible during heating or in case of fire.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Additional Information** Cool endangered receptacles with water fog or haze. Eliminate all ignition sources if safe to do so.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Ensure adequate ventilation. Keep away from ignition sources. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Absorb liquid components with liquid-binding material. Send for recovery or disposal in suitable receptacles. Ensure adequate ventilation. Dispose contaminated material as waste according to item 13.
<b>Environmental precautions</b>	Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system. Prevent from spreading (e.g. by damming-in or oil barriers).

## 7. Handling and storage

<b>Precautions for safe handling</b>	Use only in well-ventilated areas. Store in a cool, dry place in tightly closed receptacles (60-80°F recommended).
<b>Conditions for safe storage, including any incompatibilities</b>	Use only receptacles specifically permitted for this substance/product. Keep container tightly sealed. Store in an area with adequate ventilation. Store away from extreme heat, ignition sources, open flame, or incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Control Parameters

**Ingredients 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.

**DNELs** No further relevant information available.

**PNECs** No further relevant information available.

**Additional information** The lists valid during the making were used as basis.

### Appropriate engineering controls

Provide readily accessible eye wash stations and safety showers.  
Provide ventilation adequate to ensure concentrations are minimized.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields or safety goggles. Contact lenses should not be worn.

### Skin protection

**Hand protection** Protective, impervious gloves. (Neoprene, PVC, Nitrile rubber). The glove material has to be impermeable and resistant to the product / the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Other** Wear protective work clothing. Where potential exposure warrants, rubber or plastic boots and chemically resistant protective suit.

**Respiratory protection** Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. For spills, respiratory protection may be advisable. Use respiratory protection when grinding or cutting material.

### General hygiene considerations

Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Immediately remove all soiled and contaminated clothing. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

## 9. Physical and chemical properties

### Appearance

Form	Viscous Liquid
Color	White
Odor	Sweet
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	> 392°F / > 200°C

Flash point > 302°F / > 150°C

Evaporation rate Not available

Flammability (solid, gas) Not applicable

### Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available

Flammability limit - upper (%) Not available

Vapor pressure Not available

Vapor density Not available

Relative density 2.12 @ 20°C

### Solubility(ies)

Solubility (water) Not miscible or difficult to mix

### Partition coefficient

(n-octanol/water) Not available

Auto-ignition temperature Not available

Decomposition temperature Not available

Viscosity 12,000 – 20,000 cps

## 10. Stability and reactivity

### Reactivity

#### Chemical stability

Possibility of hazardous reactions Reacts with strong alkali. Exothermic polymerization. Reacts with strong acids and oxidizing agents. Reacts with catalysts.

Thermal Decomposition No decomposition if used and stored according to specifications.

Conditions to avoid Avoid contact with strong oxidizing agents, excessive heat or flames.

Incompatible materials Strong acids, bases and oxidizing agents.

Hazardous Decomposition products Carbon monoxide and carbon dioxide.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation May cause respiratory irritation.

Skin contact May causes skin irritation.

Eye contact May cause eye irritation.

**Ingestion** No data.

**Symptoms related to the physical, chemical and toxicological characteristics** No available data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

(Data for primary hazardous component: Reaction product: bisphenol - A- (epichlorohydrin) epoxy resin)

**Acute toxicity**

Oral	LD50 > 2,000 mg/kg (rat)
Dermal	LD50 > 2,000 mg/kg (rat)
Inhalation	No data

**Skin corrosion/irritation** Test material was slightly irritating to skin in key studies. For the skin, mean erythema and edema scores were 0.8 and 0.5 respectively.

**Serious eye damage/ eye irritation** Test material was slightly irritating to the eye in key studies. The mean eye score was 0.4

### Respiratory or skin sensitization

**Respiratory sensitization** No data available.

**Skin sensitization** In a local lymph node assay, the concentration that would cause a 3-fold increase in proliferation (EC-3) was calculated to be 5.7% which is consistent with moderate dermal sensitization potential.

**Numerical measures of toxicity** No data available for mixture.

### Additional toxicological information

The product show the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant Danger through skin absorption. Toxic and /or corrosive effects may be delayed up to 24 hours. Inhalation of concentrated vapours as well as oral intake will lead to anesthesia-like conditions and headache, dizziness etc.

## 12. Ecological information

(Data for primary hazardous component: Reaction product: bisphenol - A- (epichlorohydrin) epoxy resin)

**Aquatic Toxicity**

Fish	96hr-LC50 = 3.6mg/L test mat. <i>Oncorhynchus mykiss</i> (direct application, nominal) (OECD Guideline 203) LC50 1.41 mg/L 96hr <i>Oryzias latipes</i>
Crustacea	48hr-EC50 = 2.8mg/L test mat <i>Daphnia magna</i> (direct application, nominal, based on: mobility) (OECD Guideline 202) EC50 1.7mg/L 48hr
Aquatic Plant	72hr-EC50 > 11 mg/L <i>Scenedesmus capricornutum</i> . Water soluble fraction (meas. (arithm. mean)) based on: growth rate (EPA-660/3-75-009)

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects** No further relevant information available.

### Results of PBT and vPvB assessment

**PBT:** Not applicable  
**vPvB:** Not applicable

## 13. Disposal considerations

**Waste from residues / unused products** This product should not be allowed to enter drains, water courses or the soil. Dispose of this material in a safe manner and in accordance with federal, state and local regulations

**Contaminated packaging**

Disposal must be made in accordance with official federal, state and local regulations.

**14. Transport information****DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**TDG**

Not regulated as dangerous goods.

**15. Regulatory information****US federal regulations****TSCA (Toxic Substances Control Act)**

All the ingredients are listed.

**SARA 355 Extremely hazardous substance**

None of the ingredients are listed.

**SARA 313 (Specific toxic chemical listings)**

Component(s) above 'de minimus' level: None

**US state regulations****WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.**US. California Proposition 65****US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Chemicals known to cause cancer: Silicon dioxide (CAS 14808-60-7) (dispersed in liquid medium; not in a respirable form)

**International Inventories****Canadian Domestic Substances List (DSL)**

All ingredients are listed

**Canadian Ingredient Disclosure List (limit 0.1%)**

None of the ingredients are listed

**Canadian Ingredient Disclosure List (limit 1%)**

None of the ingredients are listed

**Chemical Safety assessment:** A Chemical Safety Assessment has not been carried out.**16. Other information, including date of preparation or last revision**

<b>Issue date</b>	29-May-2015
<b>Revision date</b>	-
<b>Version #</b>	01
<b>HMIS Rating:</b>	
Health:	2
Flammability:	1
Physical Hazard:	0

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