SAFETY DATA SHEET

1. Identification

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

Other means of identification

Product code 184040000

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

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

Acute toxicity	Oral Category 4 Dermal Category 4
Skin Corrosion	Category 1B
Skin Sensitizer	Category 1
Flammable liquid	Category 3
Aspiration toxicant	Category 1

OSHA defined hazards

Label elements Not classified.

Signal word Danger

Hazard statement Flammable liquid and vapor. Harmful if swallowed or in contact with skin. May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. May cause an allergic skin reaction.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. No Smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust / fume / mist / vapors / spray. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Response If exposed or concerned: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or doctor/physician. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If swallowed: rinse mouth. Do NOT induce vomiting. Call a poison center or doctor/physician if you feel unwell. If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing.

Additional Information	Corrosive. Keep away from heat and sources of ignition. Severe skin irritant. Severe eye irritant. Severe respiratory irritant. May cause sensitization by skin contact.

3. Composition/information on ingredients

Mixtures

Description: Mixture of substances listed below with nonhazardous additions

Chemical name	CAS number	%
Isophoronediamine (IPD)	2855-13-2	50-80
Naphtha (Petroleum), Hydrotreated Heavy	64742-48-9	20-40
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	< 10

4. First-aid measures

Inhalation	Supply fresh air**;** consult doctor in case of complaints.
Skin contact	Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Take off contaminated clothing and shoes immediately.
Eye contact	Rinse immediately with plenty of water for at least 15 minutes. If symptoms persist, consult a doctor**.**
Ingestion	Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side. Do not Induce vomiting; call for medical help immediately.
Most important symptoms/effects, acute and delayed	Repeated and/or prolonged exposures to low concentrations of vapors or aerosols may cause: sore throat, asthma, eye disease, kidney disorders, liver disorders, skin disorders and allergies.
Indication of immediate medical attention and special treatment needed	NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.
General information	Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

5. Fire-fighting measures

Suitable extinguishing media	Foam. Dry chemical powder. Carbon dioxide (CO_2).

Specific hazards arising from the substance or mixture:

May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

Special protective equipment and precautions for firefighters

Wear self-contained respiratory protective device. Wear fully protective suit.

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources.

Methods and materials for containment and cleaning up Send for recovery or disposal in suitable receptacles. Ensure adequate ventilation. Dispose contaminated material as waste according to section 13 of the SDS.

Environmental precautions 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

Precautions for safe handling Use only in well-ventilated areas. Store in a cool, dry place in tightly closed receptacles (60-80°F recommended)

Conditions for safe storage, including any incompatibilities 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

Exposure Limits: No data available for the mixture itself.

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 Face shield with safety glasses or goggles underneath. Contact lenses should not be worn.

Skin protection Protective work clothing. Where potential exposure warrants, rubber or plastic boots and chemically resistant protective suit.

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 based on consideration of the penetration times, rates of diffusion and the degradation.

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 food, 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	Liquid
Color	Light straw
Odor	Amine
Odor threshold	Not available
pH	Alkaline
Melting point/freezing point	Not available
Initial boiling point and boiling range	> 350°F / > 176°C
Flash point	> 136°F / > 58°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	0.86 @ 20°C

Solubility(ies)

Solubility (water)	Slightly soluble

Partition coefficient (n-octanol/water)

Not available

Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	10-25 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	Nitric acid, Ammonia, Nitrogen oxides (NOx), Nitrogen oxide can react with water vapors to form corrosive nitric acid, Carbon monoxide, Carbon dioxide (CO_2), Aldehydes, Flammable hydrocarbon fragments.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Inhalation of aerosol may cause irritation to the upper respiratory tract. Can cause severe eye, skin and respiratory tract burns. May cause nose, throat, and lung irritation. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.
Skin contact	Harmful in contact with skin. Causes skin burns. Symptoms of overexposure may be headache,

dizziness, tiredness, nausea and vomiting.

Eye contact Causes eye burns. May cause blindness. Severe eye irritation.

Ingestion Harmful if swallowed. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: sore throat, eye disease, skin disorders and allergies, adverse skin effects (such as rash, irritation or corrosion), adverse eye effects (such as conjunctivitis or corneal damage), asthma, and adverse respiratory effects (such as cough, tightness of chest or shortness of breath).

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

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. May cause allergic skin reaction. This product may cause adverse reproductive effects, eye disease, skin disorders and allergies.

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

12. Ecological information

(Data for component: Tris-2,4,6-(dimethylaminomethyl)phenol)

Aquatic Toxicity

Fish	24hr-LC50 = 222 mg/l Species : Rainbow trout (Oncorhynchus mykiss).
	96hr-LC100 = 240 mg/l Species : Rainbow trout (Oncorhynchus mykiss).
	96hr-LC0 = 180 mg/l Species : Rainbow trout (Oncorhynchus mykiss).
	24hr-LC50 = 249 mg/l Species : Carp (Cyprinus carpio).
	96hr-LC50 = 175 mg/l Species : Carp (Cyprinus carpio).
Crustacea	96hr-EC50 = 718 mg/l Species : Grass shrimp (Palaemonetes).
	96hr-EC100 = 1,000 mg/l Species : Mud crab (Neopanope).
	96hr-EC0 = 750 mg/l Species : Mud crab (Neopanope).
Aquatic Plant	72hr-EC50 = 84 mg/l Species : Scenedesmus subspicatus
	72hr-NOEC = 6.25 mg/l Species : Scenedesmus subspicatus

Persistence and degradability No data is available.

Bioaccumulative potential No data available on the product itself.

Mobility in soil No data available.

Other adverse effects No further relevant information available.

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

UN number:	UN2735
Proper Shipping Name:	Amines, Liquid, Corrosive, n.o.s., (Isophoronediamine, Tris-2,4,6-(dimethylaminomethyl)phenol)
Hazard Class:	8
Packing Group:	III
Labels(s):	8
Marine Pollutant:	No

Footnote: The flash point of this material is greater than 100 F. Regulatory classification of this material varies. DOT: combustible liquid. OSHA: Combustible liquid. IATA/IMO: Flammable liquid. This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

IATA

UN number:	UN2924
Proper Shipping Name:	Flammable liquid, corrosive, n.o.s., (Petroleum Distillates, Isophoronediamine)
Hazard Class:	3 (8)
Packing Group:	III
Labels(s):	3, 8
Marine Pollutant:	No

IMDG

UN number:	UN2924
Proper Shipping Name:	Flammable liquid, corrosive, n.o.s., (Petroleum Distillates, Isophoronediamine)
Hazard Class:	3 (8)
Packing Group:	III
Labels(s):	3, 8
Marine Pollutant:	No

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Toxic Substance Control Act (TSCA) 12(b) Component(s): None

Country	Regulatory list	Notification
USA	TSCA	Included on Inventory.
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Included on Inventory.
Australia	AICS	Included on Inventory.
Japan	ENCS	Included on Inventory.
South Korea	ECL	Included on Inventory.
China	SEPA	Included on Inventory.
Philippines	PICCS	Included on Inventory.

SARA 355 Extremely hazardous substance

None of the ingredients is listed

SARA 313 (TRI reporting)

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

TSCA (Toxic Substances Control Act)

All the ingredients are listed.

US state regulations

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT):

Chemicals known to cause cancer: None

Chemical Safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information, including date of preparation or last revision

Issue date 29-May-2015

Revision date	-
Version #	01
HMIS Rating:	
	Health: 3
	Flammability: 2
	Physical Hazard: 0

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