




Safety Data Sheet

1 IDENTIFICATION

Product identifier	Rapid Set Flexible Construction Adhesive
Other means of identification	
Product code	196231010
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 HAZARDS IDENTIFICATION

Physical hazards	Not classified	
Health Hazards	Irritant	Category 3
OSHA defined hazards	Not classified	
Label elements		
Pictogram(s):		
Signal Word	Warning	
Hazard statement	H316: Causes mild skin irritation. H320: Causes eye irritation.	

Precautionary statement

Prevention	P273: Avoid release to environment P280: Wear protective gloves/protective clothing/eye protection
Response	P302+P352: If on skin: wash with plenty of soap and water P305+P351+P338: If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
Storage	Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat and direct sunlight. Elevated temperatures will reduce shelf life. Will not freeze.
Disposal	P501: Dispose of contents/container in accordance with local/regional/national /international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.

3 COMPOSITIONS/INFORMATION ON INGREDIENTS

Mixtures

Chemical name	CAS number	Concentration
Amino Silane	001760-24-3	1 – 3

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4 FIRST-AID MEASURES

Inhalation	An unlikely route of entry. Remove to fresh air. Consult a physician.
Skin contact	Clean product from affected area with ethyl alcohol, then wash with soap and water.
Eye contact	Flush with large amounts of water for at least 15 minutes. Consult a physician if ill effects or irritation occurs.
Ingestion	An unlikely route of entry. Consult a physician.
Most important symptoms/effects, acute and delayed	Remove affected person from area. Treat symptomatically.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5 FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water, carbon dioxide, dry chemical, foam.
Unsuitable extinguishing media	Not determined.
Specific hazards arising from the chemical	Thermal decomposition products include carbon monoxide, carbon dioxide, nitrogen oxides, aldehydes, and various polymer compounds. Hydrolysis will produce small amounts of methanol.
Special protective equipment	None. Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.
Firefighting equipment/instructions	Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.
Specific methods	Use above mentioned firefighting procedures and consider the hazards of other involved materials. The degree of risk is governed by the burning substance and the fire conditions. Do not allow runoff from firefighting to enter drains or water courses. Collect contaminated fire extinguisher water separately. Fire residues and contaminated fire extinguisher water must be disposed of in accordance with local regulations.
General fire hazards	Thermal decomposition products include carbon monoxide, carbon dioxide, nitrogen oxides, aldehydes, and various polymer compounds. Hydrolysis will produce small amounts of methanol.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protection recommended in Section 8. Avoid eye, skin and clothing contact.
Methods and materials for containment and cleaning up	Collect spill with absorbent material such as cardboard, allow to cure and place into a container approved for waste disposal.
Environmental precautions	Follow applicable OSHA regulations (29 CFR 1910.120).

7 HANDLING AND STORAGE

Precautions for safe handling	Use personal protection recommended in Section 8. Avoid eye, skin and clothing contact. Product is not considered flammable under normal conditions, and product is not considered explosive.
Conditions for safe storage, including any incompatibilities	Store in a cool dry area (this product polymerizes when in contact with moisture).

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	No specific controls are needed.
Biological limit values	No known applicable information.
Exposure guidelines	None required in adequately ventilated areas.
Appropriate engineering controls	No special controls needed.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses or goggles to avoid eye contact.
Skin protection	
Hand protection	Wear impervious gloves such as vinyl to minimize contact with skin.
Other	Wear long sleeved shirts and trousers.
Respiratory protection	None required in adequately ventilated areas.
Thermal hazards	No specific controls are needed.
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Paste
Form	Paste
Color	Gray
Odor	Mild mint scent
Odor threshold	No data
pH	No data
Melting point/freezing point	No data
Initial boiling point and boiling range	No data
Flash point	No data
Evaporation rate	No data

Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	NA
Flammability limit – upper (%)	NA
Vapor pressure	< 1
Vapor density	> 1 (Air=1)
Relative density	1.40
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	No applicable information available
Decomposition temperature	280°C
Viscosity	No data
Other information	
Bulk density	11.7 lbs/gal
Partition coefficient (oil/water)	Not applicable
VOC (volume %)	1.06% (14.8 g/l)

10 STABILITY AND REACTIVITY

Reactivity	The product is stable under normal conditions of use, storage, and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Thermal decomposition.
Conditions to avoid	None known.
Incompatible materials	None known.
Hazardous decomposition products	
Decomposition products	May produce toxic fumes of carbon monoxide and carbon dioxide.
Thermal decomposition	No decomposition if stored and handled as prescribed/indicated.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	LC50 Not acutely toxic.
-------------------	-------------------------

Skin contact Slight irritation. Very low order of toxicity.

Eye contact Severe irritation. Causes corneal injury

Ingestion Very low order of toxicity.

Symptoms related to the physical, chemical, and toxicological characteristics See Symptoms above.

Information on toxicological effects

Acute toxicity No data on the product itself.

Components	Species	Test Results
Oral Toxicity	Not listed	LD50: >2,000 mg/kg
Dermal Toxicity	Not listed	LD50: > 2,000 mg/kg
Inhalation Toxicity	Not listed	LC50: Not acutely toxic

Skin corrosion/irritation Slight irritation. Very low order of toxicity.

Serious eye damage/eye irritation Severe irritation. Causes corneal injury

Respiratory or skin sensitization

Respiratory sensitization No relevant data found.

Skin sensitization No relevant data found

Germ cell mutagenicity No relevant data found.

Carcinogenicity None

IARC Monographs. Overall Evaluation of Carcinogenicity None

NTP Report on Carcinogens None

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed

Reproductive toxicity No

Specific target organ toxicity – single exposure No relevant data found

Specific target organ toxicity – repeated exposure No relevant data found

Aspiration hazard No relevant data found

Chronic effects No relevant data found

12 ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Toxicity	
Aquatic Toxicity:	No known applicable information.
Persistence and degradability	No known applicable information.
Bioaccumulative potential Bioaccumulation	No known applicable information.
Partition Coefficient: N- Octanol/ Water (Low P_{ow})	No known applicable information.
Mobility in soil	No known applicable information.
Partition Coefficient (K_{oc}) Other adverse effects	No known applicable information. No data available.

13 DISPOSAL CONSIDERATIONS

Disposal instructions	If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. This product becomes a firm synthetic rubber when cured. Please allow to cure before disposal.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues/unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14 TRANSPORT INFORMATION

USDOT	Not regulated.
Hazard Class	NA
UN Number	NA
Packing Group	NA
IATA/ ICAO	Not regulated.

IMDG Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

IMO SHIPPING DATA Not regulated.

15 REGULATORY INFORMATION

US federal regulations

Rotterdam Convention (PIC) Annex III: Listed (Tributyl tin compounds (impurities) < 2 ppm)

OSHA Hazard Communication Standard, 29 CFR 1910.1200 - Irritant

TSCA (Toxic Substance Control Act)

All components are listed in the TSCA chemical substance inventory

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

CERCLA Hazardous Substance List (40 CFR 302.4)

Not applicable.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories

Sara Title III

Section 302 Extremely Hazardous Substances: None

Section 304: Not applicable

Section 311/312 Hazard Class: Immediate (Acute) health hazard

Section 313 Listed Ingredients: None

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated

Safe Drinking Water Act (SDWA)

Not regulated

US state regulations

US. California Proposition 65

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

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

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16 OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF LAST REVISION

Issue date	8 February 2017
Revision date	16 February 2017
Version #	02
HMIS® ratings	Health: 1 Flammability: 0 Reactivity: 0
Disclaimer	CTS Cement Manufacturing Corporation cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.