



Safety Data Sheet

According to OSHA Communication Standard, 29 CFR 1910.1200

Rapid Set Fast Anchoring and Repair Adhesive

SECTION 1: Identification

Product identifier

Product name: Fast Anchoring and Repair Adhesive Part A

Product code: 196031009

Recommended use of the product and restriction on use

Relevant identified uses: Adhesive mortar for fastening elements A-component (resin)

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

CTS Cement Manufacturing Corporation

12442 Knott St.

Garden Grove, CA 92841

800-929-3030

info@ctscement.com

Emergency telephone number:

United States

INFOTRAC 800-535-5053

Information Telephone Number 800-282-5828

SECTION 2: Hazard(s) identification

GHS classification:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitization: Skin Sens. 1

Label elements

Hazard

Pictograms:



Signal word: Danger

Hazard statements:

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

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Rapid Set Fast Anchoring and Repair Adhesive**Precautionary statements:**

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of the reach of children.
- P261 Avoid breathing vapors.
- P264 Wash hands thoroughly after handling.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves and eye/face protection.
- P314 Get medical advice/attention if you feel unwell.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified:

People who are allergic to epoxide should avoid the use of the product. Use in a well-ventilated area.

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 1675-54-3	Bis-[4-(2,3-epoxiproxi)phenyl]propane	40-60
CAS number: 9003-36-5	Bisphenol-F-epichlorohydrin resin MM <=700	20-40
CAS number: 2425-79-8	1,4-bis(2,3 epoxyproxy)butane	10-20

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

SECTION 4: First aid measures**Description of first aid measures****General notes:**

First aider: Pay attention to self-protection! Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

After inhalation:

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all



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contaminated clothing and wash it before reuse. Medical treatment necessary.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing:

Do NOT induce vomiting. Rinse mouth thoroughly with water. Medical treatment necessary.

Most important symptoms and effects, both acute and delayed**Acute and delayed symptoms and effects:**

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.

Immediate medical attention and special**treatment Specific treatment:**

Treat symptomatically.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media**Suitable extinguishing media:**

Foam
Extinguishing powder
Water spray jet
Carbon dioxide (CO₂)

Unsuitable extinguishing media:

Full water jet.

Specific hazards during fire-fighting:

Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Special protective equipment and precautions for firefighters:

In case of fire and/or explosion do not breathe fumes.
Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Provide adequate ventilation.

Environmental precautions:

Avoid release to the environment. Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up:

Collect spillage. Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Sand Treat the recovered material as prescribed in the section on waste disposal.

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Retain contaminated washing water and dispose it.

Reference to other sections:

Safe handling: see section 7.

Personal protection equipment (PPE): see section 8.

Disposal: see section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only outdoors or in a well-ventilated area. Wear personal protection equipment (refer to section 8). Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. When using do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed. Store in a place accessible by authorized persons only. Keep only in the original container in a cool, well-ventilated place. Do not store together with: Oxidising agent, strong Do not use for products which come into contact with the food stuffs. Storage at temperatures of 5 - 35°C.

SECTION 8: Exposure controls/personal protection

Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

Exposure controls



Appropriate engineering controls:

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Personal protection equipment

Eye and face protection:

Wear eye protection/face protection. Wear safety goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Skin and body protection:

Wear suitable protective clothing.

Recommended material: NBR (Nitrile rubber)

Breakthrough time: > 480 min

Thickness of the glove material: 0,7 mm

DIN-/EN-Norms: EN 374

When handling with chemical substances, protective gloves must be worn with the CE-label

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including the four control digits. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

General hygienic measures:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of work. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Appearance	Paste; light beige color
Odor	Low
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point/range	Not applicable
Flash point (closed cup)	Not available
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available
Upper flammability/explosive limit	Not available
Lower flammability/explosive limit	Not available
Vapor pressure	Not applicable
Vapor density	Not applicable
Density	Not available
Relative density	1.17 g/cm ³
Solubilities	Not determined
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	Not determined
Dynamic viscosity	Not applicable
Kinematic viscosity	Not applicable
Explosive properties	Not available
Oxidizing properties	Not available

Other information

Bulk density	Not available
VOC (Weight %)	g/l when mixed with water

SECTION 10: Stability and reactivity

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Rapid Set Fast Anchoring and Repair Adhesive**Reactivity:**

No hazardous reaction when handled and stored according to provisions.

Chemical stability:

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions:

Violent reaction with strong oxidizing agents.

Conditions to avoid:

Heat. Keep cool. Protect from sunlight.

Incompatible materials:

Keep away from oxidizing agents.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information**Information on toxicological effects:****Acute toxicity**

Based on the available data, the classification criteria are not met.

CAS No	Components				
	Exposure route	Dose	Species	Sourc	M
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane				
	oral	LD50 mg/kg 15000	Rat		
	dermal	LD50 mg/kg 23000	Rabbit		
9003-36-5	Bisphenol-F-epichlorohydrin resin MM <= 700				
	oral	LD50 mg/kg > 2000	Rat		
	dermal	LD50 mg/kg > 2000	Rat		
2425-79-8	1,4-bis(2,3 epoxypropoxy)butane				
	oral	LD50 mg/kg 1163	Rat		
	dermal	LD50 mg/kg >2150	Rat		
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			

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Rapid Set Fast Anchoring and Repair Adhesive**Irritation and corrosivity**

Causes skin irritation
Causes serious eye damage

Sensitizing effects

May cause an allergic skin reaction (bis-[4-(2,3-epoxypropoxy)phenyl]propane; Bisphenol-F-epichlorohydrin resin MM <= 700; 1,4-bis(2,3 epoxypropoxy)butane)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.
Carcinogenicity (IARC): Bisphenol A diglycidyl ether (Araldite) (CAS 1675-54-3) is listed in group 3.
Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information**Ecotoxicity**

Toxic to aquatic life with long-lasting effects.

CAS No	Components					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1675-54-3	bis-[4-(2,3-epoxypropoxy)phenyl]propane					
	Acute fish toxicity	LC50 2,0 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 11 mg/l	72 h	Selenastrum capricornutum		
	Acute crustacea toxicity	EC50 1,8 mg/l	48 h	Daphnia magna (Big water flea)		
9003-36-5	Bisphenol-F-epichlorohydrin resin MM <= 700					
	Acute fish toxicity	LC50 2,54 mg/l	96 h	Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50 1,8 mg/l	96 h	Selenastrum capricornutum		
	Acute crustacea toxicity	EC50 2,55 mg/l	48 h	Daphnia magna (Big water flea)		
2425-79-8	1,4-bis(2,3 epoxypropoxy)butane					

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	Acute fish toxicity	LC50 mg/l	19,8	96 h	Leuciscus idus (golden orfe)		
	Acute algae toxicity	ErC50	160 mg/l	72 h	Pseudokirchneriella subcapitata		

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Components	Log Pow
9003-36-5	Bisphenol-F-epichlorohydrin resin MM <= 700	3,3

Mobility in soil

The product has not been tested.

Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**Disposal methods:**

Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 14: Transport information**US DOT 49 CFR 172.101**

UN number or ID number	UN 3077
Proper shipping name	Environmentally hazardous substances, solid, n.o.s.
Transport hazard class(es)	9
Packing group	III
Hazard Label	9 

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Marine transport (IMDG)

UN number or ID number	UN 3077
Proper shipping name	Environmentally hazardous substances, solid, n.o.s.
Transport hazard class(es)	9
Packing group	III
Hazard Label	9 
Special Provisions	274, 335, 966, 967, 969
Limited quantity	5 kg
Excepted quantity	E1
EmS	F-A, S-F
Other applicable information (marine transport)	
No dangerous goods in packaging until 5 kg according 2.10.2.7 IMDG Code	

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number	UN 3077
Proper shipping name	Environmentally hazardous substances, solid, n.o.s.
Transport hazard class(es)	9
Packing group	III
Hazard Label	9 
Special Provisions	A97 A158 A179 A197
Limited quantity	30 kg G
Excepted quantity	E1
IATA-packing instructions - Passenger	956
IATA-max. quantity - Passenger	400 kg

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IATA-packing instructions - Cargo	956
IATA-max. quantity - Cargo	400 kg
Other applicable information (air transport)	
No dangerous goods in packaging until 5 kg according A197 IATA-DGA	

Environmental Hazards

ENVIRONMENTALLY HAZARDOUS: Yes

Special precautions for user

No information is available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information**U.S. Regulations****National Inventory TSCA**

All ingredients of this mixture are included on the TSCA Inventory.

National regulatory information

SARA Section 311/312 Hazards:

bis-[4-(2,3-epoxypropoxy)phenyl]propane (1675-54-3): Immediate (acute) health hazard

Bisphenol-F-epichlorohydrin resin MM <= 700 (9003-36-5): Immediate (acute) health hazard

1,4-bis(2,3 epoxypropoxy)butane (2425-79-8): Immediate (acute) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

Not listed/Not regulated

SECTION 16: Other information**Abbreviations and Acronyms:**

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Road Transport

AU: Australia

CA: Canada

CAS: Chemical Abstracts Service

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

CN: China

CPR: Controlled Products Regulations

DFG: Deutsche Forschungsgemeinschaft

DOT: Department of Transportation

DSL: Domestic Substances List

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EEC: European Economic Community
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
EPA: Environmental Protection Agency
EU: European Association
IARC: International Agency for Reach on Cancer
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
JP: Japan
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
CL50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
Know: Octanol/water partition coefficient
KR: Korea
LEL: Lower Explosive Limit
UEL: Upper Explosive Limit
NIOSH: National Institute for Occupational Safety and Health Administration
PH: Philippines
RCRA: Resource Conservation and Recovery Act
OSHA: Occupational Safety and Health Administration
RID: European Rail Transport
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TDG: Transportation of Dangerous Goods
TSCA: Toxic Substances Control Act
TWA: Time Weighted Average
US: United States

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

Initial preparation date: 09/25/18**Version #:** 2**Revision Date:** 03/11/22**End of Safety Data Sheet**



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SECTION 1: Identification

Product identifier

Product name: Fast Anchoring and Repair Adhesive Part B

Product code: 196031009

Recommended use of the product and restriction on use

Relevant identified uses: Adhesive mortar for fastening elements A-component (resin)

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

CTS Cement Manufacturing Corporation

12442 Knott St.

Garden Grove, CA 92841

800-929-3030

info@ctscement.com

Emergency telephone number:

United States

INFOTRAC 800-535-5053

Information Telephone Number 800-282-5828

SECTION 2: Hazard(s) identification

GHS classification:

Skin corrosion/irritation: Skin Corr. 1

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitization: Skin Sens. 1

Label elements

Hazard

Pictograms:



Signal word: Danger

Hazard statements:

H314 Causes severe skin burns and eye damage

H317 May cause an allergic skin reaction

Precautionary statements:

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- P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of the reach of children.
 P264 Wash hands thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
 P405 Store locked up.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified:

People who are allergic to epoxide should avoid the use of the product. Use in a well-ventilated area.

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 1477-55-0	m-Phenylenebis(methylamine)	1-8
CAS number: 90-72-2	2,4,6-Tris(dimethylaminomethyl)phenol	1-10
CAS number: 25513-64-8	2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine	1-10
CAS number: 25620-58-0	Trimethylhexane-1,6-diamine	1-10
CAS number: 112-24-3	3,6-Diazaoctanethylenediamine	<1

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

SECTION 4: First aid measures**Description of first aid measures****General notes:**

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

After inhalation:

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After skin contact:



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After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing:

Do NOT induce vomiting. Rinse mouth thoroughly with water. Medical treatment necessary.

Most important symptoms and effects, both acute and delayed

Acute and delayed symptoms and effects:

Causes severe skin burns and eye damage.
May cause an allergic skin reaction.

Immediate medical attention and special treatment Specific treatment:

Treat symptomatically.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Foam
Extinguishing powder
Water spray jet
Carbon dioxide (CO₂)

Unsuitable extinguishing media:

Full water jet.

Specific hazards during fire-fighting:

Pyrolysis products, toxic
Carbon monoxide

Special protective equipment and precautions for firefighters:

In case of fire and/or explosion do not breathe fumes. Wear a self-contained breathing apparatus and chemical protective clothing. Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Provide adequate ventilation.

Environmental precautions:

Avoid release to the environment. Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up:

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Collect spillage. Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Sand Treat the recovered material as prescribed in the section on waste disposal. Retain contaminated washing water and dispose it.

Reference to other sections:

- Safe handling: see section 7.
- Personal protection equipment (PPE): see section 8.
- Disposal: see section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only outdoors or in a well-ventilated area. Wear personal protection equipment (refer to section 8). Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling. When using do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed. Store in a place accessible by authorized persons only. Keep only in the original container in a cool, well-ventilated place. Do not store together with: Oxidising agent, strong Do not use for products which come into contact with the food stuffs. Storage at temperatures of 5 - 35°C.

SECTION 8: Exposure controls/personal protection

Control parameters

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
1344-28-1	alpha-Alumina Respirable fraction	-	5		TWA (8 h)	PEL
1477-55-0	m-Xylene-alpha, alpha'-diamine	-	C 0.1		Ceiling	REL

Additional advice on limit values

This mixture contains quartz (inorganic filler) which is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded. Exposure limit values for respirable dusts are not relevant for this product.

Exposure controls



Appropriate engineering controls:

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Personal protection equipment

Eye and face protection:

Wear eye protection/face protection. Wear safety goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Skin and body protection:

Wear suitable protective clothing.

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Recommended material: NBR (Nitrile rubber)

Breakthrough time: > 480 min

Thickness of the glove material: 0,7 mm

DIN-/EN-Norms: EN 374

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

General hygienic measures:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of work. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Appearance	Paste; gray / red
Odor	Characteristic
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point/range	Not applicable
Flash point (closed cup)	Not available
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available
Upper flammability/explosive limit	Not available
Lower flammability/explosive limit	Not available
Vapor pressure	Not applicable
Vapor density	Not applicable
Density	Not available
Relative density	1.80 g/cm ³
Solubilities	Not determined
Partition coefficient (n-octanol/water)	Not available
Auto/Self-ignition temperature	Not available
Decomposition temperature	Not determined
Dynamic viscosity	Not applicable
Kinematic viscosity	Not applicable
Explosive properties	Not available

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Oxidizing properties	Not available
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Other information

Bulk density	Not available
VOC (Weight %)	**** g/l when mixed with water

SECTION 10: Stability and reactivity**Reactivity:**

See section 10.3

Chemical stability:

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions:

Violent reaction with strong oxidizing agents.

Conditions to avoid:

See section 7.2.

Incompatible materials:

Keep away from strong oxidizing agents.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information**Information on toxicological effects:****Acute toxicity**

Based on the available data, the classification criteria are not met.

CAS No	Components				
	Exposure route	Dose	Species	Sourc	M
1477-55-0	m-Phenylenebis(methylamine)				
	oral	LD50 930 mg/kg	Rat		
	dermal	LD50 2000 mg/kg	Rabbit		
	inhalation (1 h) vapour	LC50 3,89 mg/l	Rat		
	inhalation aerosol	ATE 1,5 mg/l			
90-72-2	2,4,6-Tris(dimethylaminomethyl)phenol				
	oral	LD50 2169 mg/kg	Rat		
	dermal	LD50 1280 mg/kg	Rat		
25513-64-8	2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine				

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	oral	ATE mg/kg	500		
25620-58-0	Trimethylhexane-1,6-diamine				
	oral	LD50 mg/kg	900	Rat	
112-24-3	3,6-Diazaoctanethylenediamine				
	oral	LD50 mg/kg	2500	Rat	
	dermal	LD50 mg/kg	805	Rabbit	

Irritation and corrosivity

Causes severe skin burns and eye damage
Causes serious eye damage

Sensitizing effects

May cause an allergic skin reaction (m-Phenylenebis(methylamine); 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine; Trimethylhexane-1,6-diamine; 3,6-Diazaoctanethylenediamine)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information**Ecotoxicity**

Toxic to aquatic life with long-lasting effects.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

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Rapid Set Fast Anchoring and Repair Adhesive

Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

Disposal methods:

Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 14: Transport information

US DOT 49 CFR 172.101

UN number or ID number	UN 3259
Proper shipping name	Amines, solid, corrosive, N.O.S.
Transport hazard class(es)	8
Packing group	III
Hazard Label	8

Marine transport (IMDG)

UN number or ID number	UN 3259
Proper shipping name	Amines, solid, corrosive, N.O.S. (2,2,4(or 2,4,4) -Trimethyl-1,6-hexanediam ine; m-Phenylenebis(methylamine))
Transport hazard class(es)	8
Packing group	II
Hazard Label	8
Special Provisions	274
Limited quantity	1 kg
Excepted quantity	E2
EmS	F-A, S-B

**Safety Data Sheet**

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Rapid Set Fast Anchoring and Repair Adhesive**Air transport (ICAO-TI/IATA-DGR)**

UN number or ID number	UN 3259
Proper shipping name	Amines, solid, corrosive, N.O.S. (2,2,4(or 2,4,4) -Trimethyl-1,6-hexanediam ine; m-Phenylenebis(methylamine))
Transport hazard class(es)	8
Packing group	II
Hazard Label	8 
Special Provisions	A3 A803
Limited quantity	5 kg
Passenger LQ	Y844
Excepted quantity	E2
IATA-packing instructions - Passenger	859
IATA-max. quantity - Passenger	15 kg
IATA-packing instructions - Cargo	863
IATA-max. quantity - Cargo	50 kg

Environmental Hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

No information is available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information**U.S. Regulations****National Inventory TSCA**

All ingredients of this mixture are included on the TSCA Inventory.

National regulatory information



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Rapid Set Fast Anchoring and Repair Adhesive

SARA Section 311/312 Hazards:

m-Phenylenebis(methylamine) (1477-55-0): Immediate (acute) health hazard

2,4,6-Tris(dimethylaminomethyl)phenol (90-72-2): Immediate (acute) health hazard

2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine (25513-64-8): Immediate (acute) health hazard

Trimethylhexane-1,6-diamine (25620-58-0): Immediate (acute) health hazard

3,6-Diazaoctanethylenediamine (112-24-3): Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Aluminum oxide (fibrous forms) (1344-28-1): De minimis limit = 1.0 %, Reportable threshold = Standard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

California Proposition 65:

 **WARNING:** Cancer – www.P65Warning.ca.gov.

SECTION 16: Other information

Abbreviations and Acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Road Transport

AU: Australia

CA: Canada

CAS: Chemical Abstracts Service

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

CN: China

CPR: Controlled Products Regulations

DFG: Deutsche Forschungsgemeinschaft

DOT: Department of Transportation

DSL: Domestic Substances List

EEC: European Economic Community

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances

EPA: Environmental Protection Agency

EU: European Association

IARC: International Agency for Research on Cancer

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

JP: Japan

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

CL50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

Know: Octanol/water partition coefficient

**Safety Data Sheet**

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Rapid Set Fast Anchoring and Repair Adhesive

KR: Korea
LEL: Lower Explosive Limit
UEL: Upper Explosive Limit
NIOSH: National Institute for Occupational Safety and Health Administration
PH: Philippines
RCRA: Resource Conservation and Recovery Act
OSHA: Occupational Safety and Health Administration
RID: European Rail Transport
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TDG: Transportation of Dangerous Goods
TSCA: Toxic Substances Control Act
TWA: Time Weighted Average
US: United States

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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