

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012. Issue date: 5/17/2022 Revision date: 5/17/2022 Version: 1.0

/ SECTION 1: Identification	
1.1. Identification	
Product form Product name	: Mixture : Anchor Epoxy, Fast Set - Part B
1.2. Recommended use and restriction	ns on use
Use of the substance/mixture	: Doweling
1.3. Supplier	
Manufacturer Sakrete of North America 625 Griffith Rd., Ste 100 Charlotte, NC 28217 T 866-725-7383	
1.4. Emergency telephone number	
Emergency number	: CHEMTREC (800) 424-9300
SECTION 2: Hazard(s) identificatio	n
2.1. Classification of the substance or	mixture
GHS US classification	
Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation:vapour) Skin Corr. 1B Eye Dam. 1 Skin Sens. 1 Repr. 2 HHNOC 1	Toxic if swallowed Toxic in contact with skin Toxic if inhaled Causes severe skin burns and eye damage Causes serious eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child Causes severe damage to the respiratory tract.
2.2. GHS Label elements, including pro	ecautionary statements
GHS US labeling	
Hazard pictograms (GHS US)	
Signal word (GHS US) Hazard statements (GHS US)	 Danger Toxic if swallowed, in contact with skin or if inhaled Causes severe skin burns and eye damage May cause an allergic skin reaction Causes serious eye damage Suspected of damaging fertility or the unborn child Causes severe damage to the respiratory tract. Obtain special instructions before use
Trecautionary statements (GTS US)	Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray.

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Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If exposed or concerned: Get medical advice/attention. If swallowed: rinse mouth. Do NOT induce vomiting. Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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. Call a poison center or doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

41% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

12% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

86% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (vapors))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Fatty acids, tall-oil, polymers with linoleic acid dimers and tetraethylenepentamine	CAS-No.: 68605-86-7	20 – 40
Phenol, 4-nonyl-, branched	CAS-No.: 84852-15-3	10 – 20
1-Piperazineethanamine	CAS-No.: 140-31-8	7 – 15
Benzyl alcohol	CAS-No.: 100-51-6	5 – 10
2,4,6-Tri(dimethylaminomethyl)phenol	CAS-No.: 90-72-2	1 – 5
Phosphonium, ethyltriphenyl-, iodide	CAS-No.: 4736-60-1	1 – 5
Titanium Dioxide	CAS-No.: 13463-67-7	0.1 – 1
Quartz	CAS-No.: 14808-60-7	0.1 – 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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SECTION 4: First-aid measures		
4.1. Description of first aid measures		
First-aid measures after inhalation	If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor/physician. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.	
First-aid measures after skin contact	: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor.	
First-aid measures after eye contact	: 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.	
First-aid measures after ingestion	: IF SWALLOWED: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.	
4.2. Most important symptoms and effects (acute and delayed)		
Symptoms/effects after inhalation Symptoms/effects after skin contact	 Toxic if inhaled. Causes severe damage to the respiratory tract. Toxic in contact with skin. Causes severe skin burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction 	
Symptoms/effects after eye contact	 Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns. 	
Symptoms/effects after ingestion	: Toxic if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.	
Chronic Symptoms	: Suspected of damaging fertility or the unborn child.	
4.3. Immediate medical attention and spe	cial treatment, if necessary	

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishing	media	
Suitable extinguishing media Unsuitable extinguishing media	Carbon dioxide (CO2). Dry chemical. Water fog.Do not use water jet.	
5.2. Specific hazards arising from the chemical		
Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon. irritating fumes.	
5.3. Special protective equipment and precautions for fire-fighters		
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).	

SECTION 6: Accidental release measures	
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
6.1.1. For non-emergency personnel	
Emergency procedures	: Do not touch or walk on the spilled product.
6.1.2. For emergency responders	
No edulitional information evolution	

No additional information available

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6.2. Environmental precautions		
Prevent entry to sewers and public waters.		
6.3. Methods and material for containment and cleaning up		
For containment	Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.	
Methods for cleaning up	Scoop up material and place in a disposal container. Provide ventilation.	
6.4. Reference to other sections		

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling Hygiene measures	 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/ spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not swallow. Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. Take off immediately all contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling. 	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions	: Keep out of the reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Do not store in an area equipped with emergency water sprinklers. Store locked up.	
Storage temperature	: 4 – 35 °C / 39.2 – 95 °F	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters		
Anchor Epoxy, Fast Set - Part B		
No additional information available		
Fatty acids, tall-oil, polymers with linoleic acid dimers and tetraethylenepentamine (68605-86-7)		
No additional information available		
1-Piperazineethanamine (140-31-8)		
No additional information available		
Benzyl alcohol (100-51-6)		
USA - AIHA - Occupational Exposure Limits		
WEEL TWA [ppm]	10 ppm	
2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)		
No additional information available		

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Titanium Dioxide (13463-67-7)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Titanium dioxide	
ACGIH OEL TWA	10 mg/m ³	
Remark (ACGIH)	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)	
ACGIH chemical category	Not Classifiable as a Human Carcinogen	
Regulatory reference	ACGIH 2020	
USA - OSHA - Occupational Exposure Limits		
Local name	Titanium dioxide (Total dust)	
OSHA PEL (TWA) [1]	15 mg/m³ (total dust)	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
Phenol, 4-nonyl-, branched (84852-15-3)		
No additional information available		
Phosphonium, ethyltriphenyl-, iodide (4736-60	0-1)	
No additional information available		
Quartz (14808-60-7)		
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	0.025 mg/m³ (respirable particulate matter)	
ACGIH chemical category	Suspected Human Carcinogen	
USA - OSHA - Occupational Exposure Limits		
Local name	Quartz (Total Dust) (Silica: Crystalline)	
OSHA PEL (TWA) [1]	50 μg/m³ (Respirable crystalline silica)	
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA) use formula: (30 mg/m3 / (%SiO2+2)) for mg/m3. CAS No. source: eCFR Table Z-1.	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts	
8.2. Appropriate engineering controls		
Appropriate engineering controls:Environmental exposure controls:	Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers. Avoid release to the environment.	
8.3. Individual protection measures/Personal	protective equipment	
Hand protection:		
Wear suitable waterproof gloves.		
Eye protection:		
Wear approved eye (properly fitted dust- or splash-proc	of chemical safety goggles) / face (face shield) protection.	
Skin and body protection:		
Wear suitable waterproof protective clothing		

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Respiratory protection:

A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

Other information:

Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

SECTION 9: Physical and chemical properties	
9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Appearance	: Paste.
Color	: Black
Odor	: Slight odor
Odor threshold	: No data available
pН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Insoluble
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	
1/00	

VOC content

: 0 g/l Tested per EPA CFR 40, Part 63, Subpart PPPP, Appendix A 9 g/l Tested per EPA CFR 40, Part 60, method 24

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

Incompatible materials. Exposure to excessive heat above 35 °C / 95 °F will shorten shelf life.

10.5. Incompatible materials

Strong acids. Strong oxidizers. Peroxides.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. nitrogen compounds.

SECTION 11: Toxicological information

11.1. Information on toxicological effects		
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled.	
Anchor Epoxy, Fast Set - Part B		
ATE US (oral)	55.782 mg/kg body weight	
ATE US (dermal)	531.227 mg/kg body weight	
ATE US (vapors)	3.966 mg/l/4h	
Unknown acute toxicity (GHS US)	 41% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 12% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 86% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (vapors)) 	
1-Piperazineethanamine (140-31-8)		
LD50 oral rat	2140 µl/kg	
LD50 dermal rabbit	866 mg/kg	
Benzyl alcohol (100-51-6)		
LD50 oral rat	1230 mg/kg	
LD50 dermal rabbit	2 g/kg	
LC50 inhalation rat	> 4178 mg/m³ (Exposure time: 4 h)	
2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)		
LD50 oral rat	1200 mg/kg	
Titanium Dioxide (13463-67-7)		
LD50 oral rat	> 10000 mg/kg	
LC50 inhalation rat	5.09 mg/l/4h	
Phenol, 4-nonyl-, branched (84852-15-3)		
LD50 oral rat	1300 mg/kg	
LD50 dermal rabbit	2000 mg/kg	
Phosphonium, ethyltriphenyl-, iodide (4736-6	0-1)	
LD50 oral rat	79 mg/kg	
Skin corrosion/irritation:Serious eye damage/irritation:Respiratory or skin sensitization:	Causes severe skin burns. Causes serious eye damage. May cause an allergic skin reaction.	

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Germ cell mutagenicity Carcinogenicity Reproductive toxicity	 Not classified Not classified Suspected of damaging fertility or the unborn child.
Phenol, 4-nonyl-, branched (84852-15-3)	
NOAEL (animal/female, F0/P)	15 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Remarks on results: other:Generation: All generations tested: F0, F1, F2, F3 (migrated information)
NOAEL (animal/male, F1)	15 mg/kg body weight Animal: rat, Animal sex: male, Guideline: other:EPA OPPTS 837.3800 (US EPA OPPTS 1998)
STOT-single exposure STOT-repeated exposure	Not classified Not classified
Benzyl alcohol (100-51-6)	
NOAEL (oral,rat,90 days)	400 mg/kg body weight Animal: rat, Guideline: other:OECD Guideline 451 (Carcinogenicity Studies)
Phenol, 4-nonyl-, branched (84852-15-3)	
LOAEL (oral,rat,90 days)	400 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
NOAEL (oral,rat,90 days)	100 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
Aspiration hazard Viscosity, kinematic	Not classified No data available
Symptoms/effects after inhalation Symptoms/effects after skin contact	 Toxic if inhaled. Causes severe damage to the respiratory tract. Toxic in contact with skin. Causes severe skin burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.
Symptoms/effects after eye contact	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	 Toxic if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
Chronic Symptoms Other information	 Suspected of damaging fertility or the unborn child. Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general :	: May cause long-term adverse effects in the aquatic environment.		
1-Piperazineethanamine (140-31-8)			
LC50 - Fish [1]	1950 – 2460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])		
EC50 - Crustacea [1]	32 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
LC50 - Fish [2]	> 1000 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [semi-static])		
Benzyl alcohol (100-51-6)			
LC50 - Fish [1]	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])		
EC50 - Crustacea [1]	23 mg/l (Exposure time: 48 h - Species: water flea)		
LC50 - Fish [2]	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])		
NOEC (chronic)	51 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		

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2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)		
LC50 - Fish [1]	175 mg/l Test organisms (species): Cyprinus carpio	
LC50 - Fish [2]	180 – 240 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
Titanium Dioxide (13463-67-7)		
LC50 - Fish [1]	155 mg/l Test organisms (species): other:Japanese Medaka	
EC50 - Crustacea [1]	19.3 mg/l Test organisms (species): Daphnia magna	
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):	
EC50 - Crustacea [2]	27.8 mg/l Test organisms (species): Daphnia magna	
LOEC (chronic)	5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
Phenol, 4-nonyl-, branched (84852-15-3)		
LC50 - Fish [1]	0.135 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
EC50 - Crustacea [1]	84.4 μg/l Test organisms (species): Daphnia magna	
LC50 - Fish [2]	0.1351 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])	
NOEC chronic fish	0.006 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '91 d'	
12.2. Persistence and degradability		

Anchor Epoxy, Fast Set - Part B	
Persistence and degradability	Not established.
42.2. Piecesumulative notantial	1.
12.3. Bioaccumulative potential	
Anchor Epoxy, Fast Set - Part B	
Bioaccumulative potential	Not established.
1-Piperazineethanamine (140-31-8)	
BCF - Fish [1]	(no bioaccumulation expected)
Partition coefficient n-octanol/water	-1.48
Benzyl alcohol (100-51-6)	
Partition coefficient n-octanol/water	1.1
Phenol, 4-nonyl-, branched (84852-15-3)	
BCF - Fish [1]	271
12.4. Mobility in soil	
No additional information available	

12.5. Other adverse effects

Other information

: No other effects known.

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SECTION 14: Transport information

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 13: Disposal considerations	
13.1. Disposal methods	
Product/Packaging disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

In accordance with DOT	
14.1. UN number	
DOT NA No	: UN2735
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Amines, liquid, corrosive, n.o.s. (Limited quantity)
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT) Hazard labels (DOT)	
14.4. Packing group	
Packing group (DOT)	: 111
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
Special transport precautions	: Do not handle until all safety precautions have been read and understood.

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. International regulations

No additional information available

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15.3. US State regulations

WARNING: This product can expose you to chemicals including Titanium dioxide and Quartz, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Issue date	: 05/17/2022
Revision date	: 05/17/2022
Other information	: None.
Prepared by	: Nexreg Compliance Inc.
	www.Nexreg.com

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Full text of H-phrases	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:vapour)	Acute toxicity (inhalation:vapor) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
HHNOC 1	Health hazard not otherwise classified, category 1
Repr. 2	Reproductive toxicity Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Sens. 1	Skin sensitization, Category 1

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