



Anchortite Component A, Anchortite TX Component A

Safety Data Sheet

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Revision Impetus : Added Minova CHEMTREC account number to emergency number.

SECTION 1: IDENTIFICATION

Product Identifier

Product Name: Anchortite Component A, Anchortite TX Component A

Synonyms: One component of a two component anchoring grout, Anchortite Component A polyester resin and Anchortite Component B organic peroxide with inorganic filler.

Intended Use of the Product

Polyester Anchoring Grout

Name, Address, and Telephone of the Responsible Party

USA:

Minova USA Inc.
150 Summer Court
Georgetown, KY 40324
T 502-863-6800

For SDS Requests:

Call 1-855-266-7422 or email sds.na@orica.com

www.minovaglobal.com

Canada:

Minova
576 Arvin Avenue
Stoney Creek, ON - Canada L8E 5P1
T 905-643-1166

Emergency Telephone Number

Emergency Number : For chemical emergencies (24 hour) involving transportation, spill, leak, release, fire or accidents **IN THE U.S. or CANADA CALL: CHEMTREC 1-800-424-9300, Minova CCN 14730.**

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Flam. Liq. 3	H226
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Dermal)	H312
Acute Tox. 3 (Inhalation:vapor)	H331
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H335
Carc. 1A	H350
STOT RE 1	H372
Aquatic Acute 2	H401
Aquatic Chronic 3	H412

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

- : H226 - Flammable liquid and vapor.
- H302+H312 – Harmful if swallowed or in contact with skin.
- H315 - Causes skin irritation.
- H319 - Causes serious eye irritation.
- H331 - Toxic if inhaled.
- H335 - May cause respiratory irritation.
- H350 - May cause cancer.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H401 - Toxic to aquatic life.

Anchortite Component A

Safety Data Sheet

Precautionary Statements (GHS-US) : H412 - Harmful to aquatic life with long lasting effects.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from extremely high or low temperatures, ignition sources, and incompatible materials. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe mist, spray, vapors, dust.
P261 - Avoid breathing vapors, spray, mist.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective gloves, protective clothing.
P284 - [In case of inadequate ventilation] wear respiratory protection.
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.
P302+P352 - If on skin: Wash with plenty of water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If Inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P310 - Immediately call a poison center or doctor.
P311 - Call a poison center or doctor.
P314 - Get medical advice/attention if you feel unwell.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Other Hazards Anchortite Component A contains styrene. Inhalation of high levels of styrene vapor not typical during product use above OSHA Threshold Limit Values may cause upper respiratory tract irritation, dizziness, headaches, other central nervous system effects and cancer. Anchortite Component B contains quartz "sand". Inhalation of high levels of quartz "sand" not typical during product use above OSHA Threshold Limit Values may cause lung damage in the form of silicosis and cancer.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Polyester Resin	(CAS No) Not Reported	30 – 60	Not Applicable
Styrene	(CAS No) 100-42-5	15 – 40	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation: vapor), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 1B, H350 STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 3, H412

Anchortite Component A

Safety Data Sheet

Vinyltoluene	(CAS No) 25013-15-4	7 – 13	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation: vapor), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Asp. Tox. 1, H304 Aquatic Acute 3, H402 Aquatic Chronic 2, H411
Benzenamine, N,N,4-trimethyl-	(CAS No) 99-97-8	1 – 5	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation: vapor), H330 STOT RE 2, H373 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
1,4-Naphthalenedione	(CAS No) 130-15-4	0.1 - 1	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Inhalation: vapor), H330 Acute Tox. 1 (Inhalation: dust, mist), H330 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1B, H334 STOT SE 3, H335 Aquatic Acute 1, H400

A range of concentration as prescribed by Controlled Products Regulations has been used where necessary, due to varying composition. Full text of H-phrases: see section 16.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Keep at rest and in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing. Rinse affected area with water and soap for several minutes. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately contact a POISON CENTER or doctor/physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head positioned between legs to avoid breathing in of vomit, rinse mouth and have victim drink plenty of water. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects Both Acute and Delayed

General: Anchortite Component A contains styrene. Inhalation of high levels of styrene vapor not typical during product use above OSHA Threshold Limit Values may cause upper respiratory tract irritation, dizziness, headaches, and other central nervous system effects. Anchortite Component B may cause irritation to eyes, respiratory system and skin. Irritation to eyes can be serious and damage eyes.

Inhalation: Causes irritation to the respiratory tract.

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Anchortite Component A exposure to high levels of styrene through prolonged or repeated exposure not typical during product use may cause cancer and damage to organs. Styrene has been classified by ACGIH, American Conference of Governmental Industrial Hygienists) as a Group 4A – Not classifiable as a human carcinogen. Styrene has been classified by IARC (International Agency for Research on Cancer) as a Group 2B – Possibly Carcinogenic to Humans. Styrene has been classified by NTP (National Toxicology Program) as reasonably anticipated to be a human carcinogen. Anchortite Component B contains quartz “sand”. Inhalation of high levels of quartz “sand” not typical during product use above OSHA Threshold Limit Values may cause lung damage in the form of silicosis or cancer.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

Anchortite Component A

Safety Data Sheet

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use dry chemical powder, alcohol-resistant foam, or carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Anchortite Component A flammable liquid and vapor. Anchortite Component B not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Anchortite Component A reacts with (strong) oxidizers. Anchortite Component B may react with organic/inorganic acids, amines and reducing agents.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Firefighters should wear full protective gear.

Hazardous Combustion Products: Anchortite Component A oxides of carbon and nitrogen. Anchortite Component B oxides of calcium and other metal oxides. As in all fires toxic and noxious fumes.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes or on skin. Do NOT breathe vapors. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources.

For Non-Emergency Personnel

Protective Equipment: Use appropriate Personal Protection Equipment (PPE).

Emergency Procedures: Evacuate danger area.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: In the event of a spill or leak of material eliminate ignition sources and ventilate area. Dike and absorb material with inert material and scoop up material. As with all spills, minimize material entering water systems.

Environmental Precautions

Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Place in suitable container. Anchortite Component A and Anchortite Component B should be placed in separate containers.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely.

Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid spills and leaks. Never add material to this product unless instructed by Minova.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool place. Store away from direct sunlight or other heat sources which can reduce products usability and shelf-life.

Incompatible Materials: Anchortite Component B organic/inorganic acids, amines and reducing agents. Anchortite Component A (strong) oxidizers.

Specific End Use(s) Polyester Anchoring Grout

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Styrene (100-42-5)		
Mexico	OEL TWA (mg/m ³)	215 mg/m ³

Anchortite Component A

Safety Data Sheet

Mexico	OEL TWA (ppm)	50 ppm
Mexico	OEL STEL (mg/m ³)	425 mg/m ³
Mexico	OEL STEL (ppm)	100 ppm
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA ACGIH	ACGIH STEL (ppm)	40 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	200 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	215 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	50 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	425 mg/m ³
USA NIOSH	NIOSH REL (STEL) (ppm)	100 ppm
USA IDLH	US IDLH (ppm)	700 ppm
Alberta	OEL STEL (mg/m ³)	170 mg/m ³
Alberta	OEL STEL (ppm)	40 ppm
Alberta	OEL TWA (mg/m ³)	85 mg/m ³
Alberta	OEL TWA (ppm)	20 ppm
British Columbia	OEL STEL (ppm)	75 ppm
British Columbia	OEL TWA (ppm)	50 ppm
Manitoba	OEL STEL (ppm)	40 ppm
Manitoba	OEL TWA (ppm)	20 ppm
New Brunswick	OEL STEL (mg/m ³)	170 mg/m ³
New Brunswick	OEL STEL (ppm)	40 ppm
New Brunswick	OEL TWA (mg/m ³)	85 mg/m ³
New Brunswick	OEL TWA (ppm)	20 ppm
Newfoundland & Labrador	OEL STEL (ppm)	40 ppm
Newfoundland & Labrador	OEL TWA (ppm)	20 ppm
Nova Scotia	OEL STEL (ppm)	40 ppm
Nova Scotia	OEL TWA (ppm)	20 ppm
Nunavut	OEL STEL (mg/m ³)	426 mg/m ³
Nunavut	OEL STEL (ppm)	100 ppm
Nunavut	OEL TWA (mg/m ³)	213 mg/m ³
Nunavut	OEL TWA (ppm)	50 ppm
Northwest Territories	OEL STEL (mg/m ³)	426 mg/m ³
Northwest Territories	OEL STEL (ppm)	100 ppm
Northwest Territories	OEL TWA (mg/m ³)	213 mg/m ³
Northwest Territories	OEL TWA (ppm)	50 ppm
Ontario	OEL STEL (ppm)	100 ppm
Ontario	OEL TWA (ppm)	35 ppm
Prince Edward Island	OEL STEL (ppm)	40 ppm
Prince Edward Island	OEL TWA (ppm)	20 ppm
Québec	VECD (mg/m ³)	426 mg/m ³
Québec	VECD (ppm)	100 ppm
Québec	VEMP (mg/m ³)	213 mg/m ³
Québec	VEMP (ppm)	50 ppm
Saskatchewan	OEL STEL (ppm)	40 ppm
Saskatchewan	OEL TWA (ppm)	20 ppm
Yukon	OEL STEL (mg/m ³)	525 mg/m ³
Yukon	OEL STEL (ppm)	125 ppm
Yukon	OEL TWA (mg/m ³)	420 mg/m ³
Yukon	OEL TWA (ppm)	100 ppm

Anchortite Component A

Safety Data Sheet

Vinyltoluenes (25013-15-4)		
Mexico	OEL TWA (mg/m ³)	240 mg/m ³
Mexico	OEL TWA (ppm)	50 ppm
Mexico	OEL STEL (mg/m ³)	485 mg/m ³
Mexico	OEL STEL (ppm)	100 ppm
USA ACGIH	ACGIH TWA (ppm)	50 ppm
USA ACGIH	ACGIH STEL (ppm)	100 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA OSHA	OSHA PEL (TWA) (mg/m ³)	480 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	480 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
USA IDLH	US IDLH (ppm)	400 ppm
Alberta	OEL STEL (mg/m ³)	483 mg/m ³
Alberta	OEL STEL (ppm)	100 ppm
Alberta	OEL TWA (mg/m ³)	242 mg/m ³
Alberta	OEL TWA (ppm)	50 ppm
British Columbia	OEL STEL (ppm)	75 ppm
British Columbia	OEL TWA (ppm)	25 ppm
Manitoba	OEL STEL (ppm)	100 ppm
Manitoba	OEL TWA (ppm)	50 ppm
New Brunswick	OEL STEL (mg/m ³)	483 mg/m ³
New Brunswick	OEL STEL (ppm)	100 ppm
New Brunswick	OEL TWA (mg/m ³)	242 mg/m ³
New Brunswick	OEL TWA (ppm)	50 ppm
Newfoundland & Labrador	OEL STEL (ppm)	100 ppm
Newfoundland & Labrador	OEL TWA (ppm)	50 ppm
Nova Scotia	OEL STEL (ppm)	100 ppm
Nova Scotia	OEL TWA (ppm)	50 ppm
Nunavut	OEL STEL (mg/m ³)	483 mg/m ³
Nunavut	OEL STEL (ppm)	100 ppm
Nunavut	OEL TWA (mg/m ³)	242 mg/m ³
Nunavut	OEL TWA (ppm)	50 ppm
Northwest Territories	OEL STEL (mg/m ³)	483 mg/m ³
Northwest Territories	OEL STEL (ppm)	100 ppm
Northwest Territories	OEL TWA (mg/m ³)	242 mg/m ³
Northwest Territories	OEL TWA (ppm)	50 ppm
Ontario	OEL STEL (ppm)	100 ppm
Ontario	OEL TWA (ppm)	50 ppm
Prince Edward Island	OEL STEL (ppm)	100 ppm
Prince Edward Island	OEL TWA (ppm)	50 ppm
Québec	VECD (mg/m ³)	483 mg/m ³
Québec	VECD (ppm)	100 ppm
Québec	VEMP (mg/m ³)	242 mg/m ³
Québec	VEMP (ppm)	50 ppm
Saskatchewan	OEL STEL (ppm)	100 ppm
Saskatchewan	OEL TWA (ppm)	50 ppm
Yukon	OEL STEL (mg/m ³)	720 mg/m ³
Yukon	OEL STEL (ppm)	150 ppm
Yukon	OEL TWA (mg/m ³)	480 mg/m ³
Yukon	OEL TWA (ppm)	100 ppm

Anchortite Component A

Safety Data Sheet

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Safety glasses. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Safety glasses or chemical goggles as appropriate to prevent eye contact.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator whenever exposure may exceed established Occupational Exposure Limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Light to dark clear amber liquid
Odor	: Styrene
Odor Threshold	: 0.1 ppm as Styrene
pH	: Not applicable
Evaporation Rate	: Not determined
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: 145 °C as Styrene (293 °F)
Flash Point	: 40 °C as Styrene/Vinyl Toluene (104 °F)
Auto-ignition Temperature	: 490 °C as Styrene (914 °F)
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: 1.1% by volume in air as styrene
Upper Flammable Limit	: 6.1% by volume in air as styrene
Vapor Pressure	: 4.5 mm Hg at 20 °C (68 °F) as Styrene
Relative Vapor Density at 20 °C	: 3.6 as Styrene (air = 1)
Relative Density	: 9.4#/gallon
Specific Gravity	: Not available
Solubility	: Slightly soluble in water.
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

Anchortite Component A

Safety Data Sheet

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Anchortite Component A reacts with (strong) oxidizers. Anchortite Component B may react with organic/inorganic acids, amines and reducing agents.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous reactions will not occur under normal conditions.

Conditions to Avoid: Do not store above 38 °C (100 °F) and in direct sunlight as this will reduce product's usability and shelf-life.

Incompatible Materials: Anchortite Component A (strong) oxidizers. Anchortite Component B organic/inorganic acids, amines and reducing agents.

Hazardous Decomposition Products: Anchortite Component A other carbon and nitrogen compounds. Anchortite Component B other calcium and other metal oxides compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Anchortite Component A Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled. Anchortite Component B not toxic based on mixture ingredients.

LD50 and LC50 Data:

Anchortite Component A	
ATE US (oral)	1,005.11 mg/kg body weight
ATE US (dermal)	1,100.00 mg/kg body weight
ATE US (vapors)	3.00 mg/l/4h
ATE US (dust, mist)	0.13 mg/l/4h

Skin Corrosion/Irritation: May cause skin irritation.

Serious Eye Damage/Irritation: May cause serious eye irritation.

Respiratory or Skin Sensitization: No

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Anchortite Component A exposure to high levels of styrene through prolonged or repeated exposure not typical during product use may cause cancer and damage to organs. Styrene has been classified by ACGIH, American Conference of Governmental Industrial Hygienists) as a Group 4A – Not classifiable as a human carcinogen. Styrene has been classified by IARC (International Agency for Research on Cancer) as a Group 2B – Possibly Carcinogenic to Humans. Styrene has been classified by NTP (National Toxicology Program) as reasonably anticipated to be a human carcinogen. Anchortite Component B contains quartz "sand". Inhalation of high levels of quartz "sand" not typical during product use above OSHA Threshold Limit Values may cause lung damage in the form of silicosis and cancer.

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs through prolonged or repeated exposure.

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Do not spray.

Symptoms/Injuries After Inhalation: Irritating to the respiratory system and mucous membranes.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause severe eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Refer to Carcinogenicity and Specific Target Organ Toxicity. Effects are dependent on exposure to high levels of styrene for Anchortite Component A and on exposure to high levels of quartz "sand" for Anchortite Component B through prolonged or repeated exposure not typical during product use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Styrene (100-42-5)	
LC50 Inhalation Rat	11.7 mg/l/4h
Vinyltoluenes (25013-15-4)	
LD50 Oral Rat	4000 mg/kg
ATE US (vapors)	11.00 mg/l/4h

Anchortite Component A

Safety Data Sheet

Benzenamine, N,N,4-trimethyl- (99-97-8)	
LD50 Oral Rat	1650 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
LC50 Inhalation Rat	1.4 mg/l (Exposure time: 4 h) (1400 mg/m3 reported)
ATE US (oral)	100.00 mg/kg body weight
ATE US (dermal)	300.00 mg/kg body weight
1,4-Naphthalenedione (130-15-4)	
LD50 Oral Rat	190 mg/kg
ATE US (vapors)	0.05 mg/l/4h
ATE US (dust, mist)	0.01 mg/l/4h
Polyester Resin	
ATE US (oral)	500.00 mg/kg body weight
ATE US (dermal)	1,100.00 mg/kg body weight
ATE US (vapors)	3.00 mg/l/4h
ATE US (dust, mist)	0.05 mg/l/4h
Styrene (100-42-5)	
IARC Group	2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Vinyltoluenes (25013-15-4)	
IARC Group	3
Benzenamine, N,N,4-trimethyl- (99-97-8)	
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General:

Styrene (100-42-5)	
LC50 Fish 1	3.24 - 4.99 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	3.3 - 7.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	19.03 - 33.53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
NOEC (acute)	44 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])
Vinyltoluenes (25013-15-4)	
LC50 Fish 1	23.4 mg/l (Exposure time: 96 h - Species: Pimephales rafinesque)
Benzenamine, N,N,4-trimethyl- (99-97-8)	
LC50 Fish 1	42 - 50.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

Persistence and Degradability Not available

Bioaccumulative Potential

Styrene (100-42-5)	
BCF Fish 1	13.5
Log Pow	2.95
Vinyltoluenes (25013-15-4)	
BCF Fish 1	32 - 35
Log Pow	3.36
Benzenamine, N,N,4-trimethyl- (99-97-8)	
Log Pow	2.81
1,4-Naphthalenedione (130-15-4)	
Log Pow	1.71 - 1.78

Mobility in Soil Not available

Anchortite Component A

Safety Data Sheet

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: If Anchortite Component A as supplied becomes a waste, it meets the criteria of a hazardous waste exhibiting characteristic ignitability as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. If Anchortite Component B 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. Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 14: TRANSPORT INFORMATION

In accordance with DOT vehicle shipment “only” this product is exempted from shipment as a regulated DOT hazardous material based on the following criteria. This exemption does not apply to airplane or vessel shipment.

Anchortite Component A has vinyl toluene added which raises the flash point of the material above 100 °F that in accordance with the DOT regulations allows the Anchortite Component A to be classified as a combustible liquid per 49 CFR 172.120. The material is shipped in non-bulk packaging that is exempted from the requirements of 49 CFR 173.150 including packaging. The amount of styrene in each package does not meet the reportable quantity to be regulated as a hazardous substance or marine pollutant.

Anchortite Component B is exempted based on the fact the benzoyl peroxide falls below the available oxygen regulated level of 0.5 percent per 49 CFR 172.128.

§173.120 Class 3 – Definitions.

(2) A flammable liquid with a flash point at or above 38 °C (100 °F) that does not meet the definition of any other hazard class may be reclassified as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is impracticable.

§173.150 Exceptions for Class 3 (flammable and combustible liquids)

(f) Combustible liquids. (1) A flammable liquid with a flash point at or above 38 °C (100 °F) that does not meet the definition of any other hazard class may be reclassified as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is impracticable.

(2) The requirements of this subchapter do not apply to a material classed as a combustible liquid in a non-bulk packaging unless the combustible liquid is a hazardous substance, a hazardous waste, or a marine pollutant.

§173.128 Class 5, Division 5.2 – Definitions and types.

(a) Definitions. For the purpose of the subchapter, organic peroxide (Division 5.2) means any organic compound containing oxygen (O) in the bivalent –O-O- structure and which may be considered a derivative of hydrogen peroxide, where one or more of the hydrogen atoms have been replaced by organic radicals, unless any of the following paragraphs applies:

(4) The material meets one of the following conditions:

(i) For materials containing more than 1.0 percent but not more than 7.0 percent hydrogen peroxide, the available oxygen content, content (O_a) is not more than 0.5 percent.

In Accordance With ICAO/IATA/DOT(bulk packaging only)/IMDG: Anchortite Component A is not regulated by DOT vehicle shipment in non-bulk packaging only! Anchortite Component A is regulated if transported by airplane and vessel shipment by ICAO/IATA/IMDG. Anchortite Component B is not regulated for transport.

14.1. UN Number

UN-No.(DOT) : 1993
DOT NA no. : UN1993

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Flammable liquids, n.o.s. (Styrene, vinyltoluene)

Anchortite Component A

Safety Data Sheet

Department of Transportation (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard Classes

Hazard Labels (DOT) : 3 - Flammable liquid



DOT Symbols : G - Identifies PSN requiring a technical name

Packing Group (DOT) : III - Minor Danger

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 242

Marine pollutant :



14.3. Additional Information

Emergency Response Guide (ERG) Number : 128

Transport by Sea

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

Air Transport

DOT Quantity Limitations Passenger : 60 L

Aircraft/Rail (49 CFR 173.27)

DOT Quantity Limitations Cargo Aircraft : 220 L

Only (49 CFR 175.75)

National Motor Freight Classification

Anchortite Component A

NMFC Name: Resin Compound NMFC Number: 46030 Class: 55

Anchortite Component B

NMFC Name: Chemicals, NOI NMFC Number: 43940 Sub 2 Class: 85

Anchortite Kit (Component A + Component B)

NMFC Name: Resin Compound NMFC Number: 46030 Class: 55

Tariff Classification Number : 3907.91.5000

Anchortite Component A : 2505.10.5000

Anchortite Component B : 3907.91.5000

Anchortite Kit P (Component A + Component B)




SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Anchortite Component A	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
Styrene (100-42-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	0.1 %

Anchortite Component A

Safety Data Sheet

Vinyltoluenes (25013-15-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
Benzenamine, N,N,4-trimethyl- (99-97-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
1,4-Naphthalenedione (130-15-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
US State Regulations	
Benzenamine, N,N,4-trimethyl- (99-97-8)	
U.S. - California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of California to cause cancer.
Styrene (100-42-5)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
U.S. - Pennsylvania - RTK (Right to Know) List	
Vinyltoluenes (25013-15-4)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	
1,4-Naphthalenedione (130-15-4)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
U.S. - Pennsylvania - RTK (Right to Know) List	
Canadian Regulations	
Anchortite Component A (5/25/01,3)	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
  	
Styrene (100-42-5)	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 0.1 %	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects Class F - Dangerously Reactive Material
Vinyltoluenes (25013-15-4)	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Anchortite Component A

Safety Data Sheet

Benzenamine, N,N,4-trimethyl- (99-97-8)

Listed on the Canadian DSL (Domestic Substances List)

1,4-Naphthalenedione (130-15-4)

Listed on the Canadian DSL (Domestic Substances List)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**Revision Date** : 02/28/2018**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.**GHS Full Text Phrases:** Based on individual ingredients. Refer to Section 2: Hazardous identification for the Substance or Mixture.

Acute Tox. 1 (Inhalation: vapor)	Acute toxicity (inhalation: vapor) Category 1
Acute Tox. 2 (Inhalation: dust, mist)	Acute toxicity (inhalation: dust, mist) Category 2
Acute Tox. 2 (Inhalation: vapor)	Acute toxicity (inhalation: vapor) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation: vapor)	Acute toxicity (inhalation: vapor) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation: vapor)	Acute toxicity (inhalation: vapor) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable liquids Category 3
Resp. Sens. 1B	Respiratory sensitisation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H350	May cause cancer
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life

Anchortite Component A

Safety Data Sheet

H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Party Responsible for the Preparation of This Document

Minova USA Inc. SHES Department

Phone Number: 1-502-863-6800

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North America GHS US 2012 & WHMIS 2