



Material Safety Data Sheet

Material Safety Data Sheet according to Reg. (EU) No 1907.2006

Revision date: 06-02-2018

A1 Thix B

Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier: A1 Thix B

1.2. Relevant identified uses of the substance or mixture and uses advised against identified uses: A1 Thix B is for thickening the A1 system

1.3. Details of the supplier of the safety data sheet

Supplier: A.C.T.
Nijverheidsweg 15 A
3251 LP Stellendam
The Netherlands
++31-187-663006
info@activecomposite.com

1.4. Emergency telephone number

Emergency telephone: +31 (0)187 663006

Section 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification according to regulation (EC) No 1272/2008: Skin sensitisation – Category 1 – H317 (see section 16 for the full text)

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008:



Signal word: Warning

Hazard statements

H317 – May cause an allergic skin reaction

Precautionary statements

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves.
 P313 + P333 If skin irritation or rash occurs: Get medical advice/ attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P501 Dispose of contents/ container to an approved waste disposal plant.

Contains mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

2.3 Other hazards: No data available

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures: This product is a mixture

CASRN / EC-No. / Index-No.	REACH Reg. No.	Conc.	Component	Classification: Reg. (EC) No 1272/2008
CASRN 55965-84-9 EC-No. 611-341-5 Index-No. 613-167-00.5	-	5 >= 0.0025 - < 0.003%	mixture of: 5-chloro- 2-4- isothiazolin-3- one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1)	Acute Tox. - 3 - H301 Acute Tox. - 2 - H330 Acute Tox. - 2 - H310 Skin Corr. - 1B - H314 Skin Sens. - 1 - H317 Aquatic Acute - 1 - H400 Aquatic Chronic - 1 - H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4. FIRST AID MEASURES

4.1. description of first aid measures:

Inhalation: Move subject to fresh air.
Skin Contact: Wash with soap and water as a precaution. Get medical attention if any discomfort continues.
Eye Contact: Rinse with plenty of water into the open eyelid for at least 5 minutes. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do.
Ingestion: Drink 1 or 2 glasses of water. Consult medical advice if necessary. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed: Aside from the information found under description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

4.3. Indication of any immediate medical attention and special treatment needed Notes to physician: Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: no data available

5.2. Special hazards arising from the substance or mixture: Material can splatter above 100C/212F. Dried product can burn.

5.3. Advice for firefighters

Fire Fighting Procedures: Wear self-contained breathing apparatus.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures: Keep away from unprotected people. Keep away from spill or upwind. Wear personal protection equipment.

6.2. Environmental precautions: Keep spills and cleaning runoff out of municipal; sewers and open bodies.

6.3. Methods and materials for containment and cleaning up:

Methods for cleaning up: Absorb with liquid-binding material (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

6.4. reference to other sections: References to other sections, if applicable, have been provided in the previous sub-sections.

Section 7. HANDLING AND STORAGE

7.1. Advice on safe handling:

Avoid spilling. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Do not breathe vapours/dust/mist.

7.2. Conditions for safe storage, including any incompatibilities:

Keep from freezing. Keep container tightly closed in a dry and well-ventilated place. Stir well before use.

Other data: Protect from frost, storage between 1-49C. Monomer vapours can be evolved when material is heated during processing operations. (See section 8)

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters: If they exist listed below.

8.2. Exposure controls

Engineering controls: Use only in area provided with appropriate exhaust ventilation.

Protective and hygiene measures: The usual precautionary measures should be adhered to in handling the product, such as eyewash facility.

Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of work. Avoid contact with skin and eyes. When using do not eat, drink or smoke.

Personal protective equipment

Eye/face protection: Tightly fitting safety glasses with side-shields and compatible with respiratory protection system employed

Hand protection: Wear suitable gloves, with protection against permeation e.g. neoprene gloves (gloves of other chemically resistant materials may not provide adequate protection).

Respiratory protection: Provide for sufficient ventilation and use certified respiratory protection equipment meeting EU requirements (89/686/EEC) or equivalent, when respiratory risk cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures or work organization.

Skin protection Protective clothing.

Environmental exposure controls: See section 7: handling and storage section 13:disposal consideration for measures to prevent excessive environmental exposure during use and waste disposal.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	liquid
Colour	white milky
Odour	Acrylic odour
Odour threshold	No data available

pH	4.0-5.0
Melting point/range	0 °C
Freezing point	no data available
Boiling point (760 mmHg)	100.00 °C
Flash point	non combustible
Evaporation Rate (Butyl Acetate=1)	<1.00 Water
Flammability	Not applicable
Vapour Pressure	2.266.4808000 PA at 20°C
Density (at 20°C)	1.0000-1.2000
Density air (=1)	<1.0000 Water
Solubility in Water	Dilutable
Dynamic Viscosity	30mPa.'s maximum
Partition coefficient: n-octanol/water	No data available
Auto ignition temperature	Not applicable
Decomposition temperature	No data available
Kinematic Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2. Other information

Molecular weight	no data available
Percent volatility	69.00 – 71.00% Water

Note the physical data present above are typical values and should not be construed as a specification.

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity:	no decomposition if used and stored according to specification.
10.2. Chemical stability:	Stable
10.3. Possibility of hazardous reactions:	None known. Product will not undergo polymerization.
10.4. Conditions to avoid:	No data available
10.5. Incompatible materials:	None known
10.6. Hazardous decomposition products:	Thermal decomposition may yield acrylic monomers

Section 11. TOXICOLOGICAL INFORMATION

Toxicological information on this product only appears in this section when such data is available.

11.1. Information on toxicological effects

Acute toxicity

Acute oral toxicity LD50, Rat, > 5,000 mg/kg

Acute dermal toxicity LD50, Rabbit, > 5,000 mg/kg

Acute inhalation toxicity Product test data not available. Refer to component data.

Skin corrosion/irritation May cause transient irritation.

Serious eye damage/eye irritation No eye irritation

Sensitization Product test data not available. Refer to component data.

Specific Target Organ Systemic Toxicity (Single Exposure) Product test data not available. Refer to component data.

Specific Target Organ Systemic Toxicity (Repeated Exposure) Product test data not available. Refer to component data.

Carcinogenicity Product test data not available. Refer to component data.

Teratogenicity Product test data not available. Refer to component data.

Reproductive toxicity Product test data not available. Refer to component data.

Mutagenicity Product test data not available. Refer to component data.

Aspiration Hazard Product test data not available. Refer to component data.

Additional information: No data available for this material. The information shown is based on profiles of compositionally similar materials.

Component influencing toxicology: mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one (EC no.247-500-7) and 2-methyl-2h-isothiazol-3-one (EC no. 220-239-6) (3-:1)

Acute inhalation toxicity: LC50, Rat, 4 hour, dust/mist, 0,33 mg/l

Sensitization: Has caused allergic skin reaction when tested on guinea pigs.

For respiratory sensitization: no relevant data found.

Specific T Target Organ Systemic Toxicity (single exposure): Evaluation of available data suggest that this materials is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure) Excessive exposure may cause irritation to upper respiratory tract (nose and throat)

Carcinogenicity: Did not cause cancer in laboratory animals.

Teratogenicity: Did not cause birth defects or other effects in the foetus even at doses which caused toxic effects in the mother.

Reproductive toxicity: In animal studies, did not interfere with reproduction.

Mutagenicity: In vitro tests did not show mutagenic effects in. In vivo test did not show mutagenic effects.

Aspiration Hazard: Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

Section 12. ECOLOGICAL INFORMATION

Eco toxicological information on this product only appears in this section when such data is available.

12.1. Toxicity mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Acute toxicity to fish Material is very toxic to aquatic organisms (LC50/EC50/IC50 below 1 mg/L in the most sensitive species). LC50, Oncorhynchus mykiss (rainbow trout), flow-through test, 96 Hour, 0.19 mg/l, OECD Test Guideline 203 or Equivalent

Acute toxicity to aquatic invertebrates LC50, Daphnia magna (Water flea), flow-through test, 48 Hour, 0.16 mg/l, OECD Test Guideline 202 or Equivalent

Acute toxicity to algae/aquatic plants EC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, 0.027 mg/l, OECD Test Guideline 201 or Equivalent NOEC, Skeletonema costatum (marine diatom), static test, 72 Hour, Growth rate, 0.0014 mg/l

Chronic toxicity to fish NOEC, Rainbow trout (Oncorhynchus mykiss), flow-through, 14 d, 0.05 mg/l

Chronic toxicity to aquatic invertebrates NOEC, Daphnia magna, flow-through test, 21 d, 0.1 mg/l

12.2. Persistence and degradability mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Biodegradability: Considered to be rapidly degradable. Material is not readily biodegradable according to OECD/EEC guidelines.

Biodegradation: < 50 % Exposure time: 10 d

Photo degradation Atmospheric half-life: 0.38 - 1.3 d

12.3. Bio accumulative potential mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Bioaccumulation: Bio concentration potential is low (BCF < 100 or Log Pow < 3). 2-Methyl-4- isothiazolin-3-one (MIT): 5-Chloro-2-methyl-4-isothiazolin-3-one (CMIT): Partition coefficient: n-octanol/water (log Pow): -0.486 Measured Partition coefficient: n-octanol/water (log Pow): 0.401 Measured

12.4. Mobility in soil: mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1) Potential for mobility in soil is very high (Koc between 0 and 50).

Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process. Partition coefficient (Koc): 28 Estimated.

12.5. Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

12.6. Other adverse effects mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations. The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material. Contact the authorized waste disposal services.

Contaminated packaging: Empty containers retain product residues. Follow label warnings even after container is emptied. Improper disposal or reuse of this container may be dangerous and illegal. Refer to applicable federal, state and local regulations.

Section 14. TRANSPORT INFORMATION

Classification for ROAD and Rail transport (ADR/RID):

14.1. UN number	Not applicable
14.2. UN proper shipping name	Not regulated (non-hazardous) for Transport
14.3 Transport hazard class(es)	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	Not considered environmentally hazardous based on available data
14.6. Special precautions for user	No data available

Classification for Sea transport (IMO-IMGD):

14.1. UN number	Not applicable
14.2. UN proper shipping name	Not regulated (non-hazardous) for Transport
14.3 Transport hazard class(es)	Not applicable
14.4. Packing group	Not applicable
14.5 Environmental hazards	Not considered as marine pollutant based on available data
14.6. Special precautions for user	No data available
14.7. Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC code	Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO):

14.1. UN number	Not applicable
14.2. UN proper shipping name	Not regulated (non-hazardous) for Transport
14.3. Transport hazard class(es)	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	Not considered environmentally hazardous based on available data
14.6. Special precautions for user	No data available

Section 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH Regulation (EC) No 1907/2006 This product contains only components that have been either pre-registered, registered, are exempt from registration, are regarded as registered or are not subject to registration according to Regulation (EC) No. 1907/2006 (REACH)., Polymers are exempted from registration under REACH. All relevant starting materials and additives have been either pre-registered, registered, or are exempt from registration to Regulation (EC) No. 1907/2006 (REACH)., The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Listed in Regulation: Not applicable

National regulatory information:

Water contaminating class (D): 1 - slightly water contaminating

Additional information: For use only by technical qualified individuals.

Section 16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 Skin Sens. -
1 - H317 - Calculation method

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