

In accordance with directive 1907/2006/EC, 2015/830

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Version 2.0

Revision date: 06-02-2018

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Trade name: A1 Thix B

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identification:

Product name: A1 Thix B

1.2 Relevant identified uses of the substance or mixture and uses advised against

Usage: A1 Thix B is a thickening agent for the A1 system

1.3 Details of the supplier of the safety data sheet

Responsible distributor: ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: vera.opsommer@assyst.org

1.4 Emergency telephone number:

For Belgium:

Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.
For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

NHS 24 Direct

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

Skin sensitisation - Category 1 - H317

See section 16 for full text

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:



Danger symbol:

Signal word (CLP):

Warning

Contains:

- ✓ 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)

Hazard Statement (CLP):

H317 - May cause an allergic skin reaction.

Safety recommendations (CLP):

- P261 Avoid breathing dust/smoke/gas/mist/vapours/mistles.
- P272 Do not leave the work area if the work clothes are contaminated.
- P280 Wear protective gloves.
- P313 + P333 In case of skin irritation or rash: Get medical advice/attention.
- P362 + P364 Take off contaminated clothing and wash before reuse.
- P501 Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards:

No information available

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SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Name	Product identification	Classification 1272/2008	Conc. %
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)	CAS: 55965-84-9 EC No.: 611-341-5 Index No.: 613-167-00.5	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	5 >= 0.0025 - < 0.003%

For the full text of the H statements referred to in this chapter, see chapter 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

Inhalation:

Bring the subject into the fresh air.

Skin contact:

Wash with soap and water as a precaution. Seek medical attention if discomfort persists.

Contact with eyes:

Flush the open eyelid with plenty of water for at least 5 minutes. Then consult an ophthalmologist. Remove contact lenses, if present and easy to do.

Ingestion:

Drink 1-2 glasses of water. Consult a doctor if necessary. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed:

In addition to the information provided under description of first aid measures (above) and indication of required immediate medical attention and special treatment (below), any additional important symptoms and effects are described in Section 11: Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed:

Notes for the doctor:

Treatment of exposure should be aimed 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 agents that are suitable for the surrounding fire.

Unsuitable extinguishing media:

no data available

5.2 Special hazards arising from the substance or mixture

Material may spatter above 100°C/212°F. Dried product may burn.

5.3 Advice for firefighters:

Fire-fighting procedures:

Wear a self-contained breathing apparatus.

SECTION 6: Accidental release measures for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Keep away from unprotected persons. Keep away from spilt material or upwind. Wear personal protective equipment.

6.2 Environmental precautions:

Keep spillages and run-off water out of municipal sewers and open waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:

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

6.4 Reference to other sections:

References to other headings, if applicable, are included in the previous sub-headings.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

Protect from frost. Keep closed containers in a dry, well-ventilated place. Stir well before use.

Other data:

Protect from frost, store between 1-49°C. Monomer fumes may be released when the material is heated during processing. (See section 8)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

If they exist, they are listed below.

8.2 Exposure controls:

Technical measures:

Use only in a room with suitable ventilation.

Protective and hygienic measures:

The usual precautions should be observed when handling the product, such as eye-wash. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of work. Avoid contact with skin and eyes. Do not eat, drink or smoke when using.

Personal protective equipment:

Eye/face protection:

Close-fitting safety goggles with side shields and compatible with the respiratory protection system used.

Protection of the hands:

Wear suitable gloves with protection against permeation, e.g. neoprene gloves (gloves made of other chemically resistant materials may not offer sufficient protection).

Respiratory protection:

Ensure adequate ventilation and use certified respiratory equipment complying with EU regulations (89/686/EEC) or equivalent where respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures or work organisation.

Skin protection

Protective clothing.

Controlling environmental exposure:

See Section 7: Handling and Storage Section 13: Disposal considerations for measures to prevent excessive exposure of the environment during use and disposal.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance	liquid
Colour	white milky
Odour	Acrylic scent
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-flammable

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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 of 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
Oxidising properties	No data available

9.2 Other information

Molecular weight	no data available
Volatilisation rate	69.00 - 71.00% Water

The physical data 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 Potentially hazardous reactions:

None known. Product does not undergo polymerisation.

10.4 Conditions to avoid

No data available.

10.5 Chemically Interacting Materials:

None known.

10.6 Hazardous decomposition products:

Thermal decomposition can produce acrylic monomers.

SECTION 11: Toxicological information

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 toxicity by inhalation

Product test data not available. Please refer to data for ingredients.

Skin corrosion/irritation

May cause transient irritation.

Serious eye damage/eye irritation

No eye irritation.

Sensitisation

Product test data not available. Please refer to the data of the components.

Specific target organ toxicity (single exposure)

Test data of the product is not available. Please refer to the data of the components.

Specific systemic target organ toxicity (repeated exposure)

Test data of the product is not available. See data on ingredients.

Carcinogenicity

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Test data of the product is not available. See component data.

Teratogenicity

Test data for product not available. See component data.

Toxicity for reproduction

Product test data not available. See component data.

Mutagenicity

Product test data not available. See component data.

Danger if swallowed

Product test data not available. See component data.

Additional information:

No data available for this material.

The information shown is based on profiles of similar material composition.

Component influence 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 toxicity by inhalation:

LC50, Rat, 4 hrs, dust/mist, 0.33 mg/l

Sensitisation:

Has caused allergic skin reaction when tested on guinea pigs.

For respiratory sensitisation:

No relevant data found.

Specific target organ toxicity Systemic toxicity (single exposure)

Evaluation of available data indicates that this material is not a STOT-SE toxic substance.

Specific target organ toxicity (repeated exposure)

Overexposure may cause irritation of the 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 that caused toxic effects in the mother.

Toxicity for reproduction:

In animal studies, did not interfere with reproduction.

Mutagenicity:

In vitro tests showed no mutagenic effects. In vivo tests showed no mutagenic effects.

Danger if swallowed:

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

SECTION 12: Ecological information

Eco-toxicological information on this product is only mentioned 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 less than 1 mg/L in most sensitive species). LC50, *Oncorhynchus mykiss* (rainbow trout), flow-through test, 96 hours, 0.19 mg/l, OECD Test Guideline 203 or equivalent

Acute toxicity to aquatic invertebrates

LC50, *Daphnia magna* (water flea), flow-through test, 48 hours, 0.16 mg/l, OECD Test Guideline 202 or equivalent

Acute toxicity to algae/aquatic plants

EC50, *Pseudokirchneriella subcapitata* (green algae), 72 hours, 0.027 mg/l, OECD Test Guideline 201 or equivalent NOEC, *Skeletonema costatum* (marine diatom), static test, 72 hours, growth rate, 0.0014 mg/l

Chronic toxicity to fish

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NOEC, rainbow trout (*Oncorhynchus mykiss*), throughflow, 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 as readily biodegradable. Material is not readily biodegradable according to OECD/EEC guidelines.

Biodegradation:

< 50 % Exposure time: 10 d Photodegradation Atmospheric half-life: 0.38 - 1.3 d

12.3 Bioaccumulation:

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-2H-isothiazol-3-one [EC No 220-239-6] (3:1)

Potential for mobility in soil is very high (Koc between 0 and 50).

Given the very low Henry's constant, volatilisation from natural water or moist soil is not expected to be a significant fate process. Partition coefficient (Koc): 28 estimated...

12.5 Results of PBT and vPvB assessment

This mixture does not contain any components considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other Harmful 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 list of ozone-depleting substances of the Montreal Protocol.

SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

Coagulate the emulsion by adding iron(III) chloride and lime stepwise. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or dump in a licensed facility in accordance with local, state and federal regulations. Final assignment of this material to the appropriate EWC group and thus the appropriate EWC code depends on the use to which this material is put. Contact the appropriate waste management authorities.

Contaminated packaging:

Empty containers retain product residues. Follow the warnings on the label even after the container is empty. Improper disposal or reuse of this container may be hazardous and illegal. Consult applicable federal, state and local regulations.

SECTION 14: Information relating to carriage

14.1 UN number

The transport of this substance is not subject to regulations.

14.2 Proper load name according to UN Model Regulations

The transport of this substance is not subject to regulations.

14.3 Transport hazard class(es)

The transport of this substance is not subject to regulations.

14.4 Packing group

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The transport of this substance is not subject to regulations.

14.5 Environmental hazards

The transport of this substance is not subject to regulations.

14.6 Special precautions for the user

The transport of this substance is not subject to regulations.

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

Remarks: Not applicable for product as supplied.

SECTION 15: Legally required information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture

REACH Regulation (EC) No 1907/2006

This product only contains ingredients that are either pre-registered, registered, exempt from registration, considered as registered or not subject to registration according to Regulation (EC) No 1907/2006 (REACH), Polymers are exempt from registration according to REACH. All relevant starting materials and additives are either pre-registered, registered, or exempted from registration according to Regulation (EC) No 1907/2006 (REACH), The above indications of REACH registration status are given in good faith and are believed to be correct at the effective date stated above. However, no warranty, express or implied, is given. It is the responsibility of the purchaser/user to ensure that his/her understanding of the legal 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. Incorporated in regulation:

Not applicable

National regulatory information:

Water pollution class (D): 1 - slightly water polluting

Additional information:

For use only by technically qualified persons.

15.2 Chemical safety assessment:

Not applicable

SECTION 16: Other information

In accordance with Regulation (EC) No 1907/2006 (REACH) with the additional Regulation (EU) 2015/830

Data sources :

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Other information :

None.

Full text of H statements referred to in points 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 by inhalation.

H400 Very toxic to aquatic organisms.

H410 Very toxic to aquatic life with long lasting effects.

Classification and procedure for deriving classification for mixtures according to Regulation (EC) No 1272/2008

Skin sensitisation - 1 - H317 - Calculation method

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Abbreviations and acronyms

ADR:	Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR:	Dangerous Goods Regulations by the International Air Transport Association (IATA)
ICAO:	International Civil Aviation Organisation
ICAO-TI:	Technical Instructions by the International Civil Aviation Organization (ICAO)
PP:	heavy marine pollutant
P:	marine pollutant
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
VCI:	Verband der chemischen Industrie, Deutschland (German Chemical Industry Association)
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
GefStoffV:	Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
VbF:	Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)
VOC:	volatile organic compounds (USA, EU)
ISO:	International Organisation for Standardisation
DNEL:	Derived no-effect dose (REACH)
PNEC:	predicted no-effect concentration (REACH)
LC50:	lethal concentration, 50 per cent
LD50:	lethal dose, 50 per cent

Training information

Workers must be instructed in the contents of these safety data sheets.

Workers must be trained in the recognised rules of occupational safety and the usual precautions for using chemicals.

The data are based on the current state of our knowledge and experience. The safety data sheet describes products with regard to safety requirements. The data does not represent guaranteed properties.

EU SDS (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental aspects. It should not be construed as a guarantee for any specific product feature.

DISCLAIMER:

We declare to the best of our knowledge that the information contained in this safety data sheet corresponds to our knowledge at the time of printing. The information shall contain instructions for the safe handling of the product named in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. If the product is mixed with other material or processed, the information in this safety data sheet is not necessarily transferable to the new material produced in this way.