



Material Safety Data Sheet

Material Safety Data Sheet according to Reg. (EU) No 2015/830

Revision date: 06-02-2018

A1 Diluent

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

1.1. Product identifier: A1 Diluent

1.2. Relevant identified uses of the substance or mixture and uses advised against identified uses: to dilute the A1 L/P 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: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Precautionary statements: H319 May cause eye irritation
P264 Wash skin thoroughly after handling
P270 Do not eat, drink, or smoke when using this product.

Supplemental information

EUH210 Safety data sheet available on request

EUH208 Contains: 1,2-benzisothiazolin-3(2H)-one; reaction mass of: 5-chloro-2-methyl-2H-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

2.3 Other hazards: No data available

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures:

This product is a mixture. This product does not contain, in concentrations equal to or greater than those laid down by the Regulation (EC) No. 2015/830, any substances presenting a health or environmental hazard nor any substances for which there are Community workplace exposure limits in place.

Section 4. FIRST AID MEASURES

4.1. description of first aid measures:

Inhalation: Move subject to fresh air.

Skin Contact: remove contaminated clothing, wash with soap and water as a precaution. Get medical attention if any discomfort continues.

Eye Contact: Rinse with plenty of water. Get medical attention if any discomfort continues.

Ingestion: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly and drink 1 or 2 glasses of water. Get medical attention if any discomfort continues. Never give anything by mouth to an unconscious person.

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

Aside from the information mentioned above (first aid measures) 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 for the doctor: No specific recommendations. If in doubt, get medical attention promptly, 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

Hazardous combustion products: no data available

Unusual Fire and Explosion Hazards: Material can splatter above 100C/212F. The polymer film can burn.

5.3. Advice for firefighters

Fire Fighting Procedures: no data available

Special protective equipment for firefighters: Wear self-contained breathing apparatus and appropriate protective clothing.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment and follow precautions for safe handling described in this data sheet. Keep people away from upwind of spill/leak, because material can cause slippery conditions.

6.2. Environmental precautions:

Prevent further leakage or spillage if safe to do so. Caution: 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: Soak up with inert absorbent material (e.g. earth, sand) Collect and place in suitable waste containers disposal.

6.4. Reference to other sections:

For disposal considerations see section 13. Wear protective clothing as described in section 8.

Section 7. HANDLING AND STORAGE

7.1. Advice on safe handling:

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

7.2. Conditions for safe storage, including any incompatibilities:

Keep from freezing – product stability can be affected. Keep container tightly closed in a dry and well-ventilated place.

Storage stability: Storage temperature: 1 - 49 °C

Other data: Monomer vapours can be evolved when material is heated during processing operations.

See SECTION 8, EXPOSURE CONTROLS/PERSONAL PROTECTION. Section for types of ventilation required.

7.33 Specific end use(s): see section 1.2

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposure limits are listed below, if they exist.

8.2. Exposure controls

Engineering controls: Use only in facilities with adequate ventilation.

Protective measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.

Personal protective equipment

Eye/face protection: Tightly fitting safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system.

Hand protection: The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Respiratory protection: A respiratory protection program meeting OSHA 1910.134 and ANSI respirator's use. Non required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. For airborne concentrations up to 10 times the exposure limit, wear a properly fitted NIOSH approved (or equivalent) half-mask, air purifying respirator. Air purifying respirators should be equipped with NIOSH approved (or equivalent) ammonia/methylamine cartridges and N95 filters. If oil mist is present use R95 or P95 filters. Use certified respiratory protection equipment meeting EU requirements (89/566/EEC, 89/686/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

Environmental exposure controls

See SECTION 7: Handling and storage

See SECTION 13: Disposal considerations 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

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|--------------------------|----------------------|
| Appearance | liquid |
| Colour | white milky |
| Odour | slight Ammonia odour |
| Odour Threshold | no data available |
| pH | 7.5 - 8.8 |
| Melting point/range | no data available |
| Freezing point/range | 0 °C |
| Boiling point (760 mmHg) | 100.00 °C |

| | |
|---|----------------------------|
| Flash point | no data available |
| Evaporation Rate (Bac=1) | <1.00 Water |
| Vapour Density (Air = 1) | 2266.5 Pa at 20°C |
| Flammability (solid, gas) | not applicable |
| Lower explosion limit | not applicable |
| Upper explosion limit | not applicable |
| Vapour pressure | 2,266.5PA at 20.00°C Water |
| Relative Density (air=1) | <1.000 Water |
| Relative Density (water=1) | 1,0600 |
| Solubility in Water | Dilutable |
| Partition coefficient: n- octanol/water | no data available |
| Auto-ignition temperature | not applicable |
| Decomposition temperature | no data available |
| Dynamic Viscosity | 800.000 mPa.s max. |
| 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 | 54.4 – 84.4 % Water |

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

Section 10. STABILITY AND REACTIVITY

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| 10.1. Reactivity: | no data available |
| 10.2. Chemical stability: | Stable |
| 10.3. Possibility of hazardous reactions: | None known |
| 10.4. Conditions to avoid: | no data available |
| 10.5. Incompatible materials: | There are no known materials which are incompatible with this product. |
| 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

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| Acute oral toxicity | LD50, Rat, > 5,000 mg/kg |
| Acute dermal toxicity | LD50, Rabbit, > 5,000 mg/kg |
| Acute inhalation toxicity | Refer to component data |
| Skin corrosion/irritation | May cause transient irritation. |
| Serious eye damage/eye irritation | Irritating to eyes |
| 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 are available for this material. The information shown is based on profiles of compositionally similar materials.

Section 12. ECOLOGICAL INFORMATION

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

General information

There is no data available on this product

12.1. Toxicity: No data available

12.2. Persistence and degradability: No data available

12.3. Bio accumulative potential: No data available

12.4. Mobility in soil: No data available.

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: No data available.

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Procedure: Coagulate the liquid by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal or landfill at a permitted facility in accordance with local, state and federal regulations.

Section 14. TRANSPORT INFORMATION

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

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|---|--|
| 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 |
| 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):

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|---|--|
| 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 |

This information is not intended to convey all specific, regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of this material.

Section 15. REGULATORY INFORMATION

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

REACH (EC) No. 1907/2006

This product contains only components that have been either pre-registered, registered, are exempt from registration or are regarded as registered 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 buyers/users 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

15.2 Chemical Safety Assessment: Not applicable

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| Section 16. OTHER INFORMATION |
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DISCLAIMER OF LIABILITY

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