Safety Data Sheet

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

Revision date: 17-05-2018

A1 Sealer Plus

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

1.1. Product identifier: A1 Sealer Plus, water-based solution

1.2. Relevant identified uses of the substance or mixture and uses advised against identified uses: to use as a Sealer for 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:

Aquatic Chronic 3: H412
Full text of hazard classes and H-statements: see section 16.

Adverse physicochemical, human health and environmental effects: No additional information available.

2.2. Label elements:

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

Signal word (CLP): -
Hazard statements (CLP): H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP):
P273 - Avoid release to the environment.
P501 - Dispose of contents to Collection point.

Supplemental information
EUH-statements : EUH208 - Contains chloromethylisothiazolineon & methylisothiazolineon (3:1), bis(1,2,2,6,6- pentamethyl-4-piperidyl)sebacate, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, 1,2- benzisothiazol-3(2H)-one, Hydroxyphenylbenzotriazol (Mixture), 2-Methyl-4-isothiazolin-3-one. May produce an allergic reaction.

2.3 Other hazards: No data available

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances: Not applicable

3.2. Mixtures:

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	(CAS-No.) 6846-50-0 (EC-No.) 229-934-9 (REACH-No) 01-2119451093-47	1-5	Aquatic chronic 3, H412
Hydroxyphenylbenzotriazol (Mixture)	(EC-No.) 400-830-7 (EC Index-No.) 607-176-00-3	0.1-1	Skin Sens. 1, H317 Aquatic Chronic 2, H411
2-(2-Butoxyethoxy)ethanol; Diethylenglykolmono-butylether; Butyldiglykol	(CAS-NO.) 112-34-5 (EC-No.) 203-961-6 (EG-Index-No.) 603-096-00.8 (REACH-No.) 01-2119475104-44	1-5	Eye Irrit. 2 H319
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	(CAS-No.) 41556-26-7 (EC-No.) 255-437-1	< 1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
isotridecyl alcohol	(CAS-No.) 68526-86-3 (EC-No.) 271-235-6 (REACH-no) 01-2119454259-	0.1 – 1	Aquatic Acute 1,H400
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	(CAS-No.) 82919-37-7	< 1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-Methyl-4-isothiazolin-3-one	(CAS-No.) 2682-20-4 (EC-No.) 220-239-6 < 0.1	<0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 2 Inhalation: dust, mist) H330 Skin Corr. 1B H314 Eye Dam. 1, H318 Skin Sens. 1A H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411
pyridine-2-thiol 1-oxide, sodium salt	(CAS-No.) 3811-73-2 (EC-No.) 223-296-5 (REACH-no) 01-2119493385-28	< 0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)

Specific concentration limits:

Name	Product identifier	Specific concentration limits
2-Methyl-4-isothiazolin-3-one	(CAS-No.) 2682-20-4 (EC-No.) 220-239-6	(C >= 0.1) Skin Sens. 1, H317

Full text of H-statements: see section 16

Section 4. FIRST AID MEASURES

4.1. description of first aid measures:

Inhalation: Move subject to fresh air and keep comfortable for breathing.

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

Eye Contact: Rinse cautiously with plenty of water, remove contact lenses, if present. 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. Do NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

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

Symptoms/effects: There is no data available on the mixture itself. Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact: Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

Symptoms/effects after eye contact: Splashes in the eyes may cause irritation and reversible local damage.

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: Foam. Dry powder, Carbon dioxide, Water spray. Sand.

Unsuitable extinguishing media: no data available

5.2. Special hazards arising from the substance or mixture

Fire hazard: No fire hazard**.**

Explosion hazard: Not applicable

Reactivity in case of fire: Not applicable

5.3. Advice for firefighters

Precautionary measures fire: Avoid (reject) fire-fighting water to enter the environment

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: High temperature may liberate toxic gases.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-emergency personnel: Protective equipment: Wear suitable protective clothing, gloves and eye/face protection.

6.1.2. For emergency responders: No additional information available.

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. Notify authorities if liquid enters sewers or public waters. Restrict liquid from spreading over surface with floating screens if possible.

6.3. Methods and materials for containment and cleaning up:

Methods for cleaning up: Soak up with inert absorbent material (e.g. earth, sand) as soon as possible. Waste to eliminate according to chemical waste law.

6.4. Reference to other sections:
See section 8 Exposure controls and personal protection.

Section 7. HANDLING AND STORAGE

7.1. Advice on safe handling:
Avoid spilling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities:
Keep container tightly closed in a dry and well-ventilated place.
Storage stability: Storage temperature: 5- 30 °C
Keep away from freezing (avoid freezing during storage)

7.3. Specific end use(s): No additional information available

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters
No additional information available

8.2. Exposure controls
Engineering controls: Use only in facilities with adequate ventilation.

Protective measures: avoid all unnecessary exposure.

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:	Wear protective gloves. Replace gloves in time: no glove material is unlimited protecting to chemicals or a combination of chemicals. In case of repeated or prolonged contact wear gloves. Time of penetration is to be checked with the glove producer. Recommendation: use nitrile gloves. VITON gloves. (>480 minutes).
Respiratory protection:	In case of fumes or aerosols: wear a respirator conforming to EN140 with Type A/P2 filter or better. During spraying wear suitable respiratory equipment. Mask P2 in case an airless machine is used.
Other information:	Do not eat, drink or smoke during us.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	liquid
Colour	Colour according to colour choice
Odour	slight
odour Threshold	no data available
pH	≈ 5
Evaporation Rate (Bac=1)	no data available
Melting point/range	no data available

Freezing point/range	0 °C
Boiling point (760 mmHg)	≈100.00 °C
Flash point	not applicable
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Flammability (solid, gas)	no data available
Vapour pressure	No data available
Vapour Density at 20ºC	No data available
Relative Density	1 – 1.35 depending on the composition
Solubility in Water	Soluble
Log Pow	no data available
Kinematic Viscosity	no data available
Dynamic Viscosity	≈ 10000 mPa.s.
Explosive properties	not applicable
Oxidizing properties	no data available

9.2. Other information

VOC content: ≈ 20 g/l < 130 g/l VOC Directive 2004/42/EC – Decorative paints and varnishes.

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity:	none under normal conditions
10.2. Chemical stability:	Stable under normal conditions
10.3. Possibility of hazardous reactions:	Refer to section 10.1 on Reactivity
10.4. Conditions to avoid:	extremely high or low temperatures
10.5. Incompatible materials:	Strong acids
10.6. Hazardous decomposition products:	Stable under normal conditions

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	Not classified
Acute dermal toxicity	Not classified
Acute inhalation toxicity	Not classified
Skin corrosion/irritation	Not classified pH: ≈ 5
Serious eye damage/eye irritation	Not classified pH; ≈ 5
Sensitization	Not classified
Germ cell mutagenicity	Not classified
Specific Target Organ systemic Toxicity (Single exposure)	Not classified
Specific Target Organ systemic Toxicity (Repeated exposure)	Not classified
Aspiration Hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

Section 12. ECOLOGICAL INFORMATION

12.1. Toxicity:

Ecology – general:	In water, material soluble
Acute aquatic toxicity:	Not classified
Chronic aquatic toxicity	Harmful to aquatic life with ling lasting effects.

12.2. Persistence and degradability: No additional information available

12.3. Bioaccumulative potential: No additional information available

12.4. Mobility in soil: Ecology – soil None known

12.5. Results of PBT and vPvB assessment No additional

12.6. Other adverse effects: Avoid releases to the environment.

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/Packaging disposal recommendations:
Forbidden through garbage can or sewerage, follow the next guidelines: 75/442/EG & 91/689/EG.

Ecology - waste materials: Avoid release to the environment.

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	Not applicable
14.7. Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC code	Not applicable

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	Not applicable

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

15.1.1. EU-Regulations Contains no REACH substances with Annex XVII restrictions. Contains no substance on the REACH candidate list. Contains no REACH Annex XIV substances.

VOC content: ≈ 20 g/l < 130 g/l VOC Directive 2004/42/EC - Decorative paints and varnishes.

15.1.2. National regulations

Germany Reference to AwSV :
Water hazard class (WGK) 1, low hazard to waters (Classification according to AwSV, Annex 1) 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment No chemical safety assessment has been carried out

Section 16. OTHER INFORMATION

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- and EUH-statements:
Acute Tox. 2 (Inhalation:dust,mist) Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Oral) Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal) Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation) Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4
Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1 Serious eye damage/eye irritation, Category 1
Eye Irrit. 2 Serious eye damage/eye irritation, Category 2
Skin Corr. 1B Skin corrosion/irritation, Category 1B
Skin Irrit. 2 Skin corrosion/irritation, Category 2
Skin Sens. 1 Skin sensitisation, Category 1
Skin Sens. 1A Skin sensitisation, category 1A
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains chloromethylisothiazolineon & methylisothiazolineon (3:1), bis (1,2,2,6,6-pentamethyl-4- piperidyl) sebacate, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, 1,2-benzisothiazol-3(2H)-one, Hydroxyphenylbenzotriazol (Mixture), 2-Methyl-4-isothiazolin-3-one. May produce an allergic reaction.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:
Aquatic Chronic 3 H412 Calculation method

SDS EU (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 requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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