

Prepared in accordance with the Regulation on Safety Data Sheets for Hazardous Substances and Mixtures (Official Gazette 19.12.2014, No. 29204) and Regulation (EC) No. 1272/2008.

SECTION 1. Identification of the substance/mixture and of the company/distributor**1.1. Product identifier**

Product code: 500.580.20

Trade name: Acry-Seal AB 580 UV

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

Description/use: Acrylic-copolymer-based, UV-resistant, elastomeric resin-based liquid coating and waterproofing material that can be applied by brush or roller.

1.3. Details of the supplier of the safety data sheet

Company: Merks Yapı Kimyasalları San. ve Tic. A.Ş.

Polatlı Organize San Bölgesi 202. Cad. No:15 06900

Polatlı/ANKARA

T + 90 312 626 50 12

F + 90 312 626 50 12

E-mail: info@merks.com.tr

www.merks.com.tr

1.4. Emergency telephone number

Emergency advice: Emergency First Aid Centre: 112

National Poison Information Centre: 114

International emergency number: Telephone: +49 180 2273-112

Fax number: +90 262 648-9299

SECTION 2. Hazards identification**2.1. Classification of the substance or mixture**

2.1.1. Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Hazard symbols: Xi

R-phrases: R36/38

R41. The full texts of the risk (R) phrases and hazard statements are given in Section 16 of this Safety Data Sheet.

**2.2. Label elements**

Pictogram: Xi

Signal word: Irritant

Hazard statements: R36/38 Irritating to eyes and skin. R41 Risk of serious damage to eyes.

Safety phrases: S2 Keep out of the reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of water. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Hazard-determining components: 5-chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one; beta-bromo-beta-nitromethylene glycol. Potassium carbonate.

SECTION 3. Composition/information on ingredients**3.1. Substances**

Not relevant.

3.2. Mixtures

Identification | Concentration % | Classification

5-chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one; beta-bromo-beta-nitromethylene glycol | CAS: 55965-84-9 | 0.05% | Xi 20/21/22; Xi 34; Xi 43; Xi 50/53.

Potassium carbonate | CAS: 584-08-7 | 0.0084% | H315, H319, H335, H290.

Additional information: See Section 16 for the wording of the indicated hazard statements.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Immediately rinse with plenty of water for at least 30/60 minutes, holding the eyelids wide open. Seek medical advice immediately.

SKIN: Remove contaminated clothing. Take a shower immediately. Seek medical advice immediately.

INGESTION: Drink as much water as possible. Seek medical advice immediately. Do not induce vomiting unless expressly authorised by a doctor.

INHALATION: Call a doctor immediately. Move the exposed person away from the accident site to fresh air. If breathing stops, administer artificial respiration. Take appropriate precautions for the person providing assistance.

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

No specific information is available on symptoms and effects caused by the product.

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

No information available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Foam, water spray, dry powder, carbon dioxide.

Unsuitable extinguishing media: Water jet.

5.2. Special hazards arising from the substance or mixture. Carbon dioxide (CO₂), carbon monoxide, harmful vapours, nitrogen oxides, fumes/gases, carbon black.

5.3. Advice for firefighters

Special protective equipment: Use self-contained breathing apparatus.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent the spread of the leak if it can be done safely. Wear suitable protective equipment to prevent contamination of skin, eyes and personal clothing. This information applies to both workers and emergency responders.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water or groundwater.

6.3. Methods and material for containment and cleaning up

Collect leaking/spilled product in a suitable container. If the product is flammable, use explosion-proof equipment. Absorb the remainder with inert absorbent material. Ensure adequate ventilation of the area where the leak occurred. Dispose of contaminated material

in accordance with the provisions set out in Section 13.

6.4. Reference to other sections

Information on personal protection and disposal, where applicable, is provided in Sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid breathing vapours/fumes. Avoid skin contact. No special precautions are required when the product is used correctly.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container. Store in a cool, well-ventilated place, away from heat sources, open flames, sparks and other ignition sources.

7.3. Specific end use(s).

No information available.

SECTION 8. Exposure controls/personal protection

8.1. Personal protective equipment

Respiratory protection:

Respiratory protection if ventilation is inadequate. Combination filter EN 141, type ABEK (gases/vapours of organic, inorganic, acidic inorganic and alkaline substances).

Hand protection:

Chemical-resistant protective gloves suitable for prolonged direct contact (EN 374). Recommended:

Protective index 6, corresponding to a breakthrough time > 480 minutes under EN 374. Examples: nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm), and others. Because of the wide variation in types, follow the glove manufacturer's instructions.

Eye protection:

Safety glasses with side shields (frame goggles), EN 166.

Body protection:

Body protection must be selected according to the work to be performed and the possible form of exposure. Examples include a face shield, protective boots and chemical protective clothing (DIN EN 14605).

8.2. General safety and hygiene measures. Do not breathe gases/vapours/aerosols. Avoid contact with skin, eyes and clothing. Avoid exposure; read the instructions before use. Use in accordance with hygiene and safety practices for construction materials. Closed work clothing is recommended. Do not eat, drink or smoke during use. Wash hands and/or face before breaks and at the end of the shift. Check gloves regularly and before each use.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Colour: White, thick liquid

Chemical nature: Elastomeric resin (acrylic copolymer)-based.

Density: 1.37 ± 0.03 kg/l (at 20 °C)

Solids content: 70%

pH: 9-12

Waiting time between coats: 4 hours (at 20 °C)

9.2. Other information

Where necessary, information on physical and chemical parameters is provided in this section.

SECTION 10. Stability and reactivity

10.1. Reactivity

There is no specific risk of reactions with other substances under normal conditions of use.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are expected under normal conditions of use and storage.

10.4. Conditions to avoid

There are no specific conditions to avoid. In all cases, observe the customary precautions for chemical products.

10.5. Hazardous decomposition products

No information available.

SECTION 11. Toxicological information

No experimental toxicological data are available for the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

No information available.

Information on likely routes of exposure

No information available. Delayed, immediate and chronic effects from short-term and long-term exposure: No information available. Interactive effects: No information available. Acute toxicity:

LC50 (inhalation), mixture content: Not classified (no significant constituent).

LD50 (oral) of the mixture: Not classified (no significant component). LD50 (dermal) of the mixture: Not classified (no significant component).

SECTION 12. Ecological information

In the absence of specific information on the preparation, follow good working practices and prevent release of the product into the environment. Never discharge the product into soil or watercourses. Notify the competent authorities if the product reaches watercourses or contaminates soil or vegetation. Take the necessary measures to minimise effects on groundwater.

12.1. Toxicity

• 5-chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one; beta-bromo-beta-nitromethylene glycol. Acute oral toxicity: LD50 > 2000 mg/kg (mouse).

Potassium carbonate

LD50/oral/rat: 1,870 mg/kg (rat); 2570 mg/kg (mouse)

LC50/inhalation/8 h/rat: > 4.96 mg/l (rat/4.5 h). [Exposure times as stated in the source.]

LD50/dermal/rat: > 2,000 mg/kg

12.2. Persistence and degradability

5-chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one; beta-bromo-beta-nitromethylene glycol. The product is biodegradable.

• Potassium carbonate: This material is inorganic and does not undergo biodegradation. It is not considered persistent in the environment.

12.3. Bioaccumulative potential

Assessment of bioaccumulation potential: Avoid release to the environment.

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Observe national and local legal requirements. Dispose of waste in the same manner as the substance/product.

Contaminated packaging: Empty contaminated packaging as far as possible; after thorough cleaning it may be sent for recycling.

SECTION 14. Transport information

The product is not considered dangerous under the applicable provisions governing the transport of dangerous goods by road (ADR), rail (RID), sea (IMDG Code) and air (IATA).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

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

Not relevant.

SECTION 15. Regulatory information

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

Seveso category - Directive 2012/18/EU: None

Restrictions on the product or substances under Annex XVII to Regulation (EC) No. 1907/2006: Product, Point 3.

Substances on the Candidate List (REACH Article 59): According to the information currently available, the product does not contain SVHC substances at concentrations above 0.1%.

Substances subject to authorisation (REACH Annex XIV)

None.

Substances subject to export notification under Regulation (EC) No. 649/2012: None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None.

Health surveillance: Workers exposed to this chemical substance do not need to undergo health surveillance provided that the available risk assessment data demonstrate that risks to workers' health and safety are low and that Directive 98/24/EC is complied with.

SECTION 16. Other information

Explanations of the hazard classes and hazard statements referred to in Sections 2 or 3:

- R36/38 Irritating to eyes and skin.

Risk of serious damage to eyes.

- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R34 Causes burns.
- R43 May cause sensitisation by skin contact.
- R50/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep out of the reach of children.

In case of contact with eyes, rinse with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of water.

- S36/37/39 Wear suitable protective gloves and eye/face protection.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H290 May be corrosive to metals.