

Safety sheet

BETADEKOR® AD

according to regulation (ES) 1907/2006 (REACH)

Issued: 01.05.2004
 Revision: 17.12.2015 Version: 1.3
 Catalogue No.: 610100

SECTION 1. Identification of material / substance and the company / enterprise

- 1.1 Product identifier:
 Trade name: BETADEKOR® AD
 types in graining classes 20 to 30
 Identification number: Not assigned, mixture.
 Registration number: Not indicated.
- 1.2 Relevant recommended use of the substance or mixture and unrecommended use:
 Recommended use: Construction material – water soluble render
 Unrecommended use: Unlisted.
- 1.3 Detailed data about the Safety Sheet supplier:
 Manufacturer/Importer: STOMIX, spol. s r. o.
 Place of business or registered office: 790 65 Skorošice 197, CZ
 Identification number: ID 48400874
 Telephone: +420 584 484 111
 Fax: +420 584 484 112
 Authorized specialist: zichova@stomix.cz
- 1.4 Telephone number for emergencies: Medical toxicology information service
 Mary Sheridan House
 15 St Thomas Street
 London SE1 9RY
 Tel: 020 7188 0600
 Fax: 020 7188 0800
 Website: www.medtox.co.uk
 Information for health risks only – acute poisoning of humans and animals

SECTION 2. Risk identification

- Overall classification of substance or mixture: The mixture is classified as dangerous.
- Dangerous effects to the health: The mixture is not classified as dangerous to health.
- Dangerous effects to environment: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Physico-chemical effects: The mixture has no physico-chemical effects, which would affect the overall classification of the product.

2.1 Classification of the substance or mixture:

Classification according to regulation (ES) No. 1272/2008	Class and category	Standard phrases about hazard
	Aquatic Chronic 3	H412

2.2 Elements of marking:

- Warning symbol for the risk: Not stated.
- H-phrases: H412 Harmful to aquatic life with long lasting effects.
- P-phrases: P273 Avoid release to the environment.
- Hazard determining components: Contains Terbutryne.
- Additional information: Contains 5-chloro-2-methyl-2H-isothiazol-3-one a 2-methyl-2H-isothiazol-3-one.
 May produce an allergic reaction.

2.3 Other hazards:

Mixture or components are not classified as PBT or vPvB. The components are not kept in Annex XIV. of the REACH Regulation or on the list of candidates for Annex XIV. of the REACH Regulation on the date of issue of the Safety Sheet.

SECTION 3. Composition / information about components

- 3.1 Substances: The product is mixture.

3.2 Mixtures:

Component identifier	Content in (%)	Index No. (CAS and ES number)	Classification acc. to 1272/2008
terbutryn	≤0,0032	886-50-0, 212-950-5	Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317
5-chloro-2-methyl-2H-isothiazol-3-one a 2-methyl-2H-isothiazol-3-one, 3:1	0,00018	55965-84-9, 613-167-00-5	Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 3, H301; Skin Corr. 1B, H314; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410;
1,2-Benzisothiazolin-3(2H)-on	≤0,004399	2634-33-5, 220-120-9	Acute Tox. 4, Aquatic Acute 1, Eye Dam 1, Skin Irrit. 2, Skin Sens. 1, H302; H315; H318; H317; H400;
2-methylisothiazol-3(2H)-on	≤0,002011	2682-20-4, 220-239-6	Acute Tox. 2, Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1, STOT SE 3, H301, H311, H314, H317, H330, H335, H400

Supplement:

The full text of P-phrases and H-phrases listed in Section No. 16.

SECTION 4. First aid instructions

- 4.1 Description of first aid:
- In the case of health problems or in the case of any problems, contact a doctor and provide information contained in this safety data sheet. The person performing first aid needs to protect himself. Take affected persons out of danger area and lay down. In case of irregular breathing or respiratory arrest provide artificial respiration. Immediately remove any clothing soiled by the product.
- When breathing: Ensure a supply of fresh air, ensure peace, prevent hypothermia. If problems continue then contact a doctor.
- In the case of contact with skin: Remove any contaminated clothes, wash the skin with soap and water and treat the affected area with a suitable reparation cream. If irritation persists seek medical attention.
- If affecting the eyes: Intensely rinse the eye with plenty of running potable water for at least 15 minutes with the lid open violently. Contact a doctor.
- In the case of ingestion: Place the affected person at rest, rinse mouth with water (only if the affected person is conscious), never induce vomiting, seek medical attention.
- 4.2 The most important acute and delayed symptoms and effects:
If any signs of irritation, due to contact with the product, will worsen, immediately call for medical assistance.
- 4.3 Instructions of any immediate medical attention and special treatment:
Special funds are not used, treatment is symptomatic.

SECTION 5. Measures during the liquidation of fire

- 5.1 Extinguishing agents:
Suitable extinguishing agents: Water fog, splitting of water, foam and powder chemicals.
Unsuitable extinguishing agents: Permanent water stream.
- 5.2 Special hazards arising from the substance or mixture:
Undetected.
- 5.3 Instructions for firemen:
Use protective equipment, depending on the nature of fire. Contaminated water must not enter drains. Liquidate the remainders of the fire with extinguishing water in accordance with local regulations in force.

SECTION 6. Measures in the case of accidental leakage

- 6.1 Measures for personal precautions, protective equipment and emergency procedures:
Use the basic protective equipment (Section 8). Ensure adequate ventilation. Follow the normal working and hygienic regulations. Avoid contact with skin and eyes.
- 6.2 Measures for environmental protection:
Prevent environmental contamination, contamination of surface water and sewer system, using sorption material.
- 6.3 Methods and materials for reducing leakage and cleaning up:
The absorption with sand, sawdust or other absorption materials, mechanical pick up, deposit in a suitable container and dispose of as hazardous waste. Do not

- 6.4 Reference to other sections: flush with water or aqueous cleansing agents containing water.
Information on safe handling see Section 7.
Information on personal protection equipment see Section 8.
Information on disposal see Section 13.

SECTION 7. Handling and storage

- 7.1 Precautions for safe handling: Avoid contact with skin and eyes, use personal protective equipment. Secure exchange of air in the workplace. Handle the product according to technological instructions No. 02-013. Avoid release to the environment kept in containers that correspond to the original package, follow the instructions on the label of the product.
- 7.2 Conditions for safe storage of substances and mixtures, including any incompatible substances and mixtures:
- Requirements for storage rooms and containers: Store only in original container.
- Information about mass storage conditions: Store away from foodstuffs.
- Further information about storage conditions: Store in a dry place, away from direct sunlight, water and frost.
- Recommended storage temperature: < 30 °C
- 7.3 Final specific uses: Unlisted.

SECTION 8. Restriction of exposure / personal protective means

- 8.1 Control parameters:
- Exposure limits according NV.No.361/2007 Coll., As amended: Not specified.
- 8.2 Exposure limitation: Minimize leakage during handling, at workplace provide perfect ventilation. Before breaks and at the end of working hours to wash hands with soap and water. Do not eat, drink or smoke when using. Avoid contact with skin and eyes. Take off contaminated clothing. Precaution to protect the skin using cream.
- Restriction of exposure to employees:
- Respiratory protection: Not necessary, if perfect ventilation is ensured.
- Eye protection: Safety glasses.
- Protection of hands: Protective gloves.
- Skin protection: Protective work clothing.
- Restriction of exposure to environment: Close containers tightly again. Prevent leakage into soil and water. Wear the recommended instructions for use.

SECTION 9. Physical and chemical properties

- 9.1 Information about basic physical and chemical properties:
- Status of the matter: Paste suspension of a solid substance in liquid.
- Colour: White or coloured shades according to sample.
- Odour (scent): Insignificant.
- pH value: 8.4 – 10.1
- Temperature (range of temperature) melting (°C): Data is not available.
- Temperature (range of temperature) for boiling (°C): Data is not available.
- Inflammation point °C: Data is not available.
- Flammability: Fireproof liquid pursuant to ČSN 65 0201.
- Pyrophoricity: Undetermined.
- Flammability limits:
- Flammability limits: upper limit (% vol.): Non-explosive.
- Flammability limits: lower limit (% vol.): Non-explosive.
- Oxidation properties: Undetected.
- Vapour tension (at °C): Data is not available.
- Density (at 20°C): 1800 – 2000 kg/m³
- Solubility (at 20°C):

- in water:	Data is not available.
- in fats (including oil specification):	Data is not available.
Dividing coefficient n-octanol/water:	Data is not available.
Viscosity:	Data is not available.
Density of vapours:	Data is not available.
Speed of evaporation:	Data is not available.
9.2 Further data:	VOC: Product category A, product subcategories I. The maximum permissible limit VOC content in the product ready to use is 200 g/l mass. Maximum VOC content in the product ready to use is 0.2 g/l mass.

SECTION 10. Stability and reactivity

10.1 Reactivity:	Under normal operating conditions, the mixture is stable.
10.2 Chemical stability:	Stable under normal temperatures and pressures.
10.3 Possibility of hazardous reactions:	No decomposition if used and stored as recommended.
10.4 Conditions which must be prevented:	Protect from frost.
10.5 Incompatible materials:	Strong acids, alkalis and oxidizing agents.
10.6 Hazardous decomposition products:	No data available.

SECTION 11. Toxicological information

11.1 Information on toxicological effects:	
a) Acute toxicity:	
- LD ₅₀ oral, rat (mg. kg ⁻¹):	Data is not available.
- LD ₅₀ dermal, rat or rabbit (mg . kg ⁻¹):	Data is not available.
- LD ₅₀ inhalation, rat, for aerosols or particles (mg . kg ⁻¹):	Data is not available.
- LC ₅₀ inhalation, rat, for gases and vapours (mg. kg ⁻¹):	Data is not available.
b) Caucity:	Mixture is not classified as caustic.
c) Irritable effect:	Mixture is not classified as irritative.
d) Sensitivity:	Mixture is not classified as specially sensitive.
e) Mutagenesis:	Mixture doesn't have classified any mutagenic effects.
f) Carcinogenicity:	Mixture doesn't have classified any carcinogenic effects.
g) Toxicity for reproduction:	Mixture is not classified as toxic for reproduction.
Other information:	Data is not available.

SECTION 12. Ecological information

12.1 Toxicity:	
- LC ₅₀ , 96 hour, fish (mg. l ⁻¹):	26530-20-1, 2-oktyltetrahydroisothiazol-3-on 0.03 886-50-0-T Terbutryn 1.8
- EC ₅₀ , 48 hours, daphnia (mg. l ⁻¹):	26530-20-1, 2-oktyltetrahydroisothiazol-3-on 0.42 886-50-0-T Terbutryn 7.1
- IC ₅₀ , 72 hours, algae (mg. l ⁻¹):	26530-20-1, 2-oktyltetrahydroisothiazol-3-on 0.084 886-50-0-T Terbutryn 0.0055
Other details:	Data is not available.
12.2 Other information:	Data is not available.
12.3 Persistence and degradability:	Data is not available.
12.4 Bio-accumulating potential:	Data is not available.
12.5 Mobility in soil:	The mixture has no properties of PBT and vPvB assessed according to Annex

12.6 Results of PBT and vPvB assessment:

XIII. in REACH regulation.

Do not allow product to leak into ground water, catch basin or sewage system.

SECTION 13. Instructions for waste disposal

13.1 Waste treatment methods:

- | | |
|--|---|
| a) Suitable methods for the mixture, or preparation and contaminated packaging disposal:
Methods of disposal of contaminated packaging: | Unused leftovers and the preparation captured in the release to absorbent material should be disposed of as hazardous waste in accordance with the regulations.
Packaging of goods should be emptied as much as possible. After cleanup is possible its re-use or recycling in accordance with the material marking. In addition, unused packaging dispose in accordance with local regulations. |
| b) Physical and chemical properties that may affect waste treatment options: | Not listed. |
| c) Eliminating waste disposal via sewer: | Not specified. |
| d) Special precautions recommended for waste management: | Not listed. |

SECTION 14. Transport information

- | | |
|--|-----------------|
| 14.1 UN number: | Not applicable. |
| 14.2 Proper shipping name for UN: | Not applicable. |
| 14.3 Class / Transport hazard class: | Not applicable. |
| 14.4 Packing group: | Not applicable. |
| 14.5 Warning board (Kemler): | Not applicable. |
| 14.6 Special precautions for user: | Not applicable. |
| 14.7 Bulk transport in according to Annex II of MARPOL 73/78 and the IBC Code: | Is not carried. |

Other details: The product is not a hazardous good according to the law on road transport and is not a subject to the provisions of the European Agreement on road transport of dangerous goods (ADR) or provisions of the Regulations concerning the International Carriage of Dangerous Goods by Rail (RID).

SECTION 15. Information regarding regulations

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

Act 350/2011 Coll., on chemical substances and mixtures, and amending certain laws.

The implementing regulations for this Act:

EC Regulation 1907/2006 (REACH)

EC Regulation 1272/2008 (CLP)

15.2 Chemical safety assessment: Was not conducted.

SECTION 16. Other information

- | | |
|--|---|
| a) Changes in the Safety Sheet under review:
Changes to the previous version of the Safety Sheet: | Change in paragraph 2, 3 and 16 - classification and labeling of mixtures according to CLP. |
| b) Key or legend to abbreviations: | CLP - EC Regulation 1272/2008
REACH - EC Regulation 1907/2006
PBT – the substance is persistent, bioaccumulating and toxic at the same time
vPvB - the substance is highly persistent and very bioaccumulating
Aquatic Chronic 1 - Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Acute 1 - Risk of water pollution, acute toxicity, category 1
Acute Tox. 4 - Acute toxicity (Oral), category 4
Acute Tox. 3 - Acute toxicity (dermal), category 3
Skin Corr. 1B - Skin corrosion, category 1B
Eye Dam1 – Serious eye damage, category 1
Skin Irrit.2 – Skin irritation, category 2
STOT SE 3 – Single Exposure, category 3 |
| c) Key literature references and sources for data: | Information contained herein is based on our best knowledge and current legislation. This Safety Sheet has been further elaborated on the basis of the original Safety Sheet provided by the manufacturer. |

- d) List of applicable standard phrases of hazard and / or instructions for safe handling:

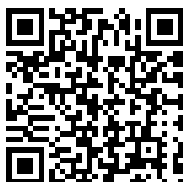
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H311 - Toxic in contact with skin
H314 - Causes severe skin corrosion and eye damage
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.
H330 - Fatal if inhaled.
H331 - Toxic by inhalation
H335 - May cause respiratory irritation.
H400 - Very toxic to aquatic organisms
H410 - Very toxic to aquatic organisms with long lasting effects

- e) Instructions for training:

Regular training for handling chemicals.

- f) Other information:

This Safety Sheet contains data necessary for ensuring safety and protection of health at work and environmental protection. The data correspond to the current state of knowledge and experience and are in compliance with applicable laws and regulations. They cannot be considered a guarantee of the suitability of the product for specific applications. Handling the product in responsibility of the user. Workers who come into contact with hazardous substances or mixtures, shall be informed by the organization about in the necessary extent about the effects of these substances or mixtures, the way to treat them with the protective measures and the principles of first aid. Information about the properties of the product and its use can be found in the Product Data Sheet. This version invalidates all previous versions of the Safety Sheet.



WWW link