

Safety sheet

BETAFORM® S05

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

Issued: 01.05.2004
 Revision: 04.02.2016 Version: 1.1
 Catalogue No.: 690500

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

- 1.1 Product identifier:
 Trade name: BETAFORM® S05
 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 – dry mortar mixture for the rehabilitation and protection of concrete.
 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: Irritating to eyes, respiratory system and skin.
- Dangerous effects to environment: Not classified as dangerous for the 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
	Skin Irrit. 2	H315
	Skin Sens.1	H317
	Eye Dam. 1	H318
	STOT SE 3	H335

2.2 Elements of marking:

Warning symbol for the risk:



Danger.

H-phrases: H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.

P-phrases: P260 Do not breathe dust. P280 Wear protective gloves/protective clothing/eye

- protection. P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. P313 Get medical attention. P501 Dispose of container in accordance with local regulations.
- Hazard determining components: Product during storage life meets the legislative requirements for the content of soluble hexavalent chromium.
- Additional information: The effect of some of the ingredients on the aquatic environment are unknown.
- 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
Portland cement clinker	29-41	65997-15-1, 266-043-1	Skin Irrit.2,H315;Eye Dam.1, H318; Skin Sens.1B,H317; STOT SE3,H335;

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: Mechanical collection after contact with water, and hardening can be disposed as other waste (Cat. No. 170101 - Concrete).
- 6.4 Reference to other sections: 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. Handle the product according to technological instructions No. 09-005. 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: The permissible exposure limit (concentration) for cement (PELC) – 10 mg/m³.
- 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: Solid material – powder.
- Colour: Grey.
- Odour (scent): Without odour.
- pH value: Only after contact with water pH 11 – 13.
- 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.
- Pyrophoricity: Undetermined.
- Flammability limits: Data is not available.
- Flammability limits: upper limit (% vol.): Data is not available.
- Flammability limits: lower limit (% vol.): Data is not available.
- Oxidation properties: Data is not available.
- Vapour tension (at °C): Data is not available.
- Density (at 20°C): 2400 - 2600 kg/m³
- Solubility (at 20°C):
- in water: 0.8-1.0 g/l
- 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:	This product contains cement. Product during storage life meets the legislative requirements for the content of soluble hexavalent chromium.

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 wet and frost.
10.5 Incompatible materials:	No data available.
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):	No data available.
- LD ₅₀ dermal, rat or rabbit (mg . kg ⁻¹):	No data available.
- LD ₅₀ inhalation, rat, for aerosols or particles (mg . kg ⁻¹):	No data available.
- LC ₅₀ inhalation, rat, for gases and vapours (mg. kg ⁻¹):	No data available.
b) Caucity:	Mixture is not classified as caustic.
c) Irritable effect:	Mixture is classified as irritating to skin, musous membrane, eyes.
d) Sensitivity:	Mixture is classified as sensiting.
e) Mutagenesis:	Mixture does not have classified any mutagenic effects.
f) Carcinogenicity:	Mixture does not 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):	Data is not available.
- EC ₅₀ , 48 hours, daphnia (mg. l ⁻¹):	Data is not available.
- IC ₅₀ , 72 hours, algae (mg. l ⁻¹):	Data is not available.
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.
12.6 Results of PBT and vPvB assessment:	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:	Unused leftovers and the preparation captured in the dry state can be re-used. In the case of hardening disposed as other waste (170101 - Concrete).
Methods of disposal of contaminated packaging:	Packaging of goods should be emptied as much as possible. Dispose as other impacts (150101 - Paper and cardboard packaging) in accordance with local regulations.

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|----|---|----------------|
| 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

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|------|---|-----------------|
| 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

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|----|---|---|
| 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
Eye Dam 1 - Serious eye damage / eye irritation, Category 1
Skin Irrit 2 - Skin irritation, Category 2
Skin Sense. 1 - Skin sensitization, category 1
STOT SE 3 - Toxicity for specific target organs, 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: | H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/attention.
P501 Dispose of contents/container in accordance with local regulations. |
| 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