

MATERIAL SAFETY DATA SHEET

According to applicable EC directive

Product Name : BETOPROOF-C16-Concentrated

Print Date : 24.02.2021
Version : 1

1- IDENTIFICATION OF SUBSTANCE AND COMPANY

Product Name : Betoproof-C16-Concentrated
Product Use : Concrete/Mortar Admixtures Raw Material

Manufacturer : AB-SCHOMBURG YAPI KİMYASALLARI A.Ş.
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2- COMPOSITION /INFORMATION ON INGREDIENTS

Chemical characterization:
Description: Aqueous saline solution.

Dangerous components:
CAS:107-21-1 Ethane-1,2-diol EINECS:203-473-3 Xn; R22 < 1 %

Additional information For the wording of the listed risk phrases refer to section 16.

3- HAZARDS IDENTIFICATION

Hazard designation : void

Information pertaining to particular dangers for man and environment :

The product may not leak out in sewerage system, stretch of water or soil.

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system :

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4- FIRST AID MEASURES

General Information: the people who shall apply first aid

After inhalation: Supply fresh air; consult a doctor in case of symptoms.

After skin contact: Instantly wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

If symptoms persist, consult doctor.

After Swallowing: Drink copious amounts of water and provide fresh air.

Instantly call for a doctor.

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5- FIRE FIGHTING MEASURES

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Protective equipment: Wear self-contained breathing apparatus.

Additional information : Follow the emergency-plan.

6- ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

Bring persons out of danger.

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Do not allow product to reach sewage system or water bodies.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment. See Section

13 for information on disposal.

7- HANDLING AND STORAGE

Handling

Information for safe handling: Keep away from children.

Information about protection against explosions and fires: No special measures required.

Storage

Requirements to be met by storerooms and containers: No special requirements.

Information about storage in one common storage facility:

Please follow the rules of the VCI-Storage-Concept for chemicals.

Further information about storage conditions: None.

8- EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems:

It must be possible to wash the skin in the working area. Eye-wash bottle must be available.

Components with critical values that require monitoring at the workplace:

107-21-1 ethane-1,2-diol (< 1%)

OES Short-term value: 104** mg/m³

Long-term value: 10* 52** mg/m³

*particulate, IOELV, Sk **vapour, New, IOELV, Sk

Additional information: The lists that were valid during the compilation were used as basis.

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals. Do not eat, drink or smoke while working.

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Breathing equipment: Not required.

Protection of hands:

Do not reuse one-way-gloves

In case of wearing synthetic protective gloves use cotton-gloves as underwear.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses recommended during refilling.

Body protection: Protective work clothing.

9- PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	: Fluid
Colour	: Brown
Smell	: Characteristic
Melting point	: Not determined
Boiling point	: Not determined
Self-inflammability	: Product is not selfigniting.
Density	: 1.15 g/cm ³ at 20 ° C
Flash point	: Not applicable
Danger of explosion	: Product is not explosive.
Solubility in/Miscibility with water	: Miscible
Ph-value at 20 ° C	11

10- STABILITY AND REACTIVITY

This product is stable under normal storage conditions of use and storage. No dangerous reactions known.

11- TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC50 values that are relevant for classification: No dates existing.

Long term effects: No information available for product.

Primary irritant effect: No irritant action known.

· **on the skin:** No irritant effect.

· **on the eye:** No irritant effect

· **Sensitization:** No sensitizing effect known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

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12- ECOLOGICAL INFORMATION

· **Ecotoxicological effects:**

· **Acquatic toxicity:**

107-21-1 ethane-1,2-diol

EC50 > 9500 mg/l (Grünalge (Scenedesmus subspicatus))

LC50

>46300 mg/l (Daphnia magna)

>18000 mg/l (rainbow trout)

>10000 mg/l (Goldorfe) Toxikol.Grenzkonzent >10000 mg/l

(bacterial toxicity)

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13- DISPOSAL INFORMATION

Product:

Recommendation

Smaller quantities can be disposed with household garbage. Transfer to a permitted waste disposal institution.

European waste catalogue

8 00 00 W ASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 04 00 wastes from MFSU of adhesives and sealants (including waterproofing products)

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14- TRANSPORTATION INFORMATION

This product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of International Air Transport Association (IATA) regulations.

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15- REGULATORY INFORMATION

Designation according to EC guidelines:

Observe the normal safety regulations when handling chemicals
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

Risk phrases: -

Safety phrases:

2 Keep out of the reach of children.

Special designation of certain preparations:

Safety data sheet available for professional user on request.

National regulations:

Water hazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

16- OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

22 Harmful if swallowed.

Department issuing data specification sheet: Environment protection department.