

EC Material Safety Data Sheet

Manufacturer/Supplier: Vandex Isoliermittel-Gesellschaft mbH, D-21493 Schwarzenbek
Product number: 005
Trade name: VANDEX BB 75
Printing date: 12.08.2010

Reviewed on: 12.08.2010

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01. * Identification of the preparation and of the company

Trade name

VANDEX BB 75

Use of preparation

Waterproofing slurry

* Company identification

Vandex Isoliermittel-Gesellschaft m.b.H.

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GlZ Nord Poisons Centre, Germany

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02. * Hazards identification

Classification

Xi irritant

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

Particular information pertaining specific risk for humans and environment

Prolonged contact with the product may cause skin disorders / chemicals burns

Further information

The content of hexavalent chromium in the cement is reduced to ≤ 2 ppm. The chromate reduction is effective within the shelf life and when properly stored. Please refer to chapter 7.

03. * Composition/Information on ingredients

Chemical characterization

Preparation of cement, silica sands and additives

Hazardous ingredients

Ingredients	CAS no.	EINECS no.	Concentration	Hazard symbols	R-phrases
Cement (≤ 2 ppm CrVI)	65997-15-1	266-043-4	50-75%	Xi, irritant	R 38, 41

04. First aid measures

Inhalation

Remove person from exposure. In case of irritation of respiratory system seek medical advice.

Skin contact

After contact with skin wash immediately with plenty of water. If irritation persists seek medical advice.

Eye contact

In case of contact with the eyes rinse immediately with plenty of water (eye lid wide open) for at least 10 minutes and seek medical advice urgently.

Ingestion

Drink plenty of water. Seek medical advice.

05. Fire-fighting measures

Suitable extinguishing media

Adapt to surrounding fire; product is not combustible.

Special exposure hazards arising from the preparation itself, combustion products, resulting gases

Avoid extinguishing water entering into water courses, drains or ground water.

In contact with extinguishing water an alkaline solution – which can cause irritation – is produced.

Special protective equipment for fire-fighters

Use self-contained breathing apparatus

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06. Accidental release measures

Personal precautions

Avoid contact with skin and eyes. Do not breathe dust. Refer to chapter 8.

Environmental precautions

Avoid uncontrolled contact with water. Avoid uncontrolled discharge into environment after contact with water. Do not allow to enter into water courses, drains or ground water.

Methods for cleaning up/collecting

Clean up dry. Avoid dust formation.

07. Handling and storage

Information for safe handling

Keep out of the reach of children.

Avoid dust formation and dust deposit.

Avoid contact with skin and eyes.

Do not breathe dust.

Refer to chapter 8 – Personal protective equipment

Information about protection against explosions and fires

Not applicable.

Requirements to be met by storerooms and containers

Store protected from humidity in unopened, undamaged original packaging. Shelf life: 12 months

Information about separation of incompatible products

Keep away from food, drink and animal feedingstuffs.

* Specific use

Refer to product data sheet

08. Exposure controls and personal protection

Exposure limit values (Great Britain)

65997-15-1	Portland cement	EH40 / 2005: OEL 8-hour TWA	10	mg/m ³
	inhalable dust respirable dust	EH40 / 2005: OEL 8-hour TWA	4	mg/m ³

OEL = Occupational Exposure Limit; TWA = Time Weighted Average; Observe country specific occupational exposure limits

Occupational exposure controls

Avoid dust formation. Avoid creating dust. Provide appropriate ventilation or local exhaust ventilation. If it is not possible to reduce exposure levels to below exposure limit values with ventilation use appropriate respirator according to national regulations.

Personal protective equipment

General protective and hygiene measures

Do not eat or drink during work – no smoking. Wash hands before breaks and after work. Use appropriate skin protection products.

Respiratory protection

Use approved dust mask/respirator

Hand protection

Use suitable impervious protective gloves

Eye protection

Use tightly fitting safety glasses.

Skin protection

To avoid skin contact use suitable protective clothing.

Environmental exposure controls

Do not allow to enter into water courses, drains or ground water.

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09. Physical and chemical properties

General information

Appearance: grey powder
Odour: odourless

Important health, safety and environmental information

Boiling point: not applicable
Flashpoint: not applicable
Ignition temperature: not applicable
Explosive limits:
Lower/Upper: not applicable
Vapour pressure: not applicable
Bulk density: approx. 1.4 kg/l
Solubility in water: (20 °C) up to 1.5 g/l
pH-value: 11 – 13.5

10. Stability and reactivity

Conditions to avoid

Avoid contact with humidity.

Materials to avoid

Acid

Hazardous decomposition products

Not applicable.

11. Toxicological information

Irritant/Corrosive effects

Irritating to skin and mucous membranes. Risk of serious damage to eyes. Prolonged contact with the product may cause skin disorders / chemicals burns.

Sensitization

As long as material is used within shelf life sensitization is not to be expected. Refer to chapter 3+7.

12. Ecological information

Ecotoxicity

Eco-toxicological effect only possible in case of unintended release of big quantities in contact with water due to increased pH value. Product is slightly water pollutant (self assessment). Do not allow to enter into water courses, drains or ground water.

Mobility

Refer to ecotoxicity

Persistence and degradability

No data available for the preparation

Bioaccumulative potential

No data available for the preparation

* Results of PBT assessment

Not applicable

Other adverse effects

No data available for the preparation

13. Disposal considerations

Product/Preparation

Recommendation

Clean up dry, not contaminated material can be re-used. Hardens after contact with water, hardened material can be disposed of as *construction and demolition waste* – concrete (EWC-Code 170101). The listed waste number according to the European Waste Code (EWC) is a recommendation. The final classification has to be done together with the local waste disposal company / authority.

Contaminated packaging

Recommendation

Contaminated packaging must be emptied of all residues and can be recycled following appropriate cleaning. Avoid dust formation. Uncleaned packaging must be disposed of in accordance with official local regulations (EWC-Code 150105 composite packaging (Paper/PE-foil)).

14. Transport information

Not a dangerous good according to the transport regulations.

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15. Regulatory information

Classification according to EEC directives

Danger symbol and danger designation

Xi irritant

Hazard-determining components of labelling

Cement

Risk-phrases

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes

Safety-phrases

S 2 Keep out of the reach of children.

S 22 Do not breathe dust

S 24/25 Avoid contact with skin and eyes.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection

16. Other information

* Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case

EC Directive 91/155/EC as amended in each case

EC Directive 1907/2006 (REACH) as amended in each case

EC Directive 2000/39/EC as amended in each case

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

Relevant R-phrases (chapter 2):

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes

Alterations/supplements to the previous version are marked with *

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.
