

EC Material Safety Data Sheet

Manufacturer/Supplier: Vandex Isoliermittel-Gesellschaft mbH, D-21493 Schwarzenbek
Product number: 005
Trade name: VANDEX BB 75
Printing date: 01. 04. 2006

Reviewed on: 01. 04. 2006

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01. Identification of preparation and company

Trade name

VANDEX BB 75

* Use of preparation

Waterproofing slurry

Manufacturer/Supplier

Vandex Isoliermittel-Gesellschaft m.b.H.

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* General Information

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02. 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

03. 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.

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.

08. Exposure controls and personal protection

* Exposure limit values (Great Britain)

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

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

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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

* 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.

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

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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 2001/58/EC as amended in each case
EC Directive 2000/39/EC 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.

EC Material Safety Data Sheet

Manufacturer/Supplier: Vandex Isoliermittel-Gesellschaft mbH, D-21493 Schwarzenbek
Product number: 150
Trade name: VANDEX CEMELAST LIQUID
Printing date: 01.08.2006

Reviewed on: 01.08.2006 / Version 3

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01. Identification of substance, preparation and company

Trade name

VANDEX CEMELAST LIQUID

* Use of preparation

Mixing liquid for dry mortars

* Manufacturer/Supplier

Vandex Isoliermittel-Gesellschaft m.b.H.

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GIZ Nord Poisons Centre, Germany

Phone: +49 551 19240

02. Composition/Information on components

Chemical characterization

Chemical nature: Water based dispersion of butadiene styrene copolymer

Hazardous components: none according to EU directive 1999/45/EC

03. Hazards identification

Critical hazards to man and the environment: none according to EU directive 1999/45/EC

04. First aid measures

Inhalation of vapour

Remove to fresh air. In severe cases seek medical attention

Skin contact

Prolonged contact may cause irritation. Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if symptoms persist

Eye contact

May cause temporary irritation. Irrigate with water for minutes holding eyelid open.

Ingestion

May cause nausea. Seek immediate medical attention. Do not induce vomiting.

05. Fire-fighting measures

The product is water based and is not combustible.

06. Accidental release measures

Personal precautions

Refer to Section 8.

Environmental precautions

Prevent product entering soil, natural waters and drains.

Methods for cleaning up/collecting

Large spillages should be contained and pumped into a receiving vessel. Small spillages should be absorbed on inert absorbant. For disposal methods refer to Section 13.

07. Handling and storage

Information for safe handling

No special precautions necessary. Observe good housekeeping practice. Keep workplace well ventilated.

Information for safe storage

Store between +5 °C and +35 °C protected from frost and direct sunlight. Do not use storage vessels or pipework made of aluminium.

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08. Exposure controls and personal protection

* Exposure limit values

None according to EU directive 88/379/EC.

* Occupational exposure controls

The product may contain low levels of volatile organic compounds or ammonia which may evaporate during application and drying. Provide appropriate ventilation or local exhaust ventilation. Where product is dried or sprayed local exhaust ventilation is recommended.

* Personal protective equipment

Respiratory protection

If spraying product without local exhaust ventilation, wear appropriate respiration protection.

Hand protection

Impermeable gloves recommended

Eye protection

Eye protection recommended

Skin protection

In case of severe splashing wear waterproof overalls and boots. Wash with soap and water after handling

Hygiene measures

Do not eat, drink or smoke when handling product.

09. Physical and chemical properties

Image

Form: liquid
Colour: white
Odour: faint aromatic

Relevant safety data

Vapor pressure:	approx. 23 hPa (water) at 20°C
Relative density:	0.9 – 1.1
Solubility in water:	insoluble, but miscible in all proportions
pH-value:	9.0 – 10.0
Viscosity:	100 – 1000 mPa·s

10. Stability and reactivity

The product is stable under recommended storage conditions. (Section 7)

Incompatible materials : none

11. Toxicological information

Long term experience of this product type indicates no danger to health when properly handled under industrial conditions.

12. Ecological information

Degradation / elimination: DOC elimination after 2 days (OECD302B) : 98%.
The product can be virtually eliminated from water by abiotic processes, e.g. adsorption onto activated sludge
Bioaccumulation: No evidence for bioaccumulation
Ecotoxic effects: The product is not classified as Dangerous for the Environment

13. * Disposal considerations

Product/Preparation

Recommendation

Waste product should not be discharged directly into drains or waterways without treatment. Disposal of product and packaging should always comply with local and national regulations. Waste water containing product should be treated in a separation and biological treatment plant.

14. Transport information

The product is not classified as Dangerous for Carriage.

15. Regulatory information

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Labelling according to EU directive 1999/45/EC:

Symbol Not subject to labelling

National regulations:

Germany: Water hazard class WGK = 1, VwVwS, Kenn. Nr. 662

Information given in this Material Safety Data Sheet does not constitute the user's own workplace risk assessment

16. * Other information

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