

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.

Industriestrasse 19-23

D-21493 Schwarzenbek

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* General Information

Phone: +49 41 51 89 15 31 (Laboratory, Vandex Isoliermittel GmbH, Germany)

Phone: +41 32 626 36 36 (Technical Department, Vandex International AG, Switzerland)

* Emergency telephone

GIZ Nord Poisons Centre, Germany

Phone: +49 551 19240

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 safety data sheet

Trade name: VANDEX ELASTICIZER PK 75

Status: 02.08.2006

Product no.: 6

Version: 1.0.0 / GB

Date of printing: 01.09.2006

1.) Identification of the substance/preparation and company

Product details

Trade name

VANDEX ELASTICIZER PK 75

Use

Mixing liquid for VANDEX BB 75

Identification of the manufacturer / supplier

Address

Vandex Isoliermittel-Gesellschaft m.b.H.
Industriestrasse 19-23
21493 Schwarzenbek

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Tel. +49 41 51 89 15 31 (Laboratory, Vandex Isoliermittel GmbH, Germany)

Tel. +41 32 626 36 36 (Technical Department, Vandex International AG, Switzerland)

Emergency telephone number

GIZ Nord Poisons Centre, Germany

Phone: +49 551 19240

2.) Composition / information on ingredients

Chemical characterization

Polymer dispersion

Hazardous ingredients

Alkylphenoethersulfate

EC no.	-	Index no.	-	CAS no.	-
Concentration	> 1	< 5	%-b.w.		
Classification	Xi; R41	R52/53			
Hazard symbols	Xi	R phrases	41-52/53		

3.) Hazards identification

Hazard symbols

- N O N E

4.) First aid measures

General information

In case of persisting adverse effects consult a physician. Change contaminated, saturated clothing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Do not induce vomiting. Drink plenty of water. Call a doctor.

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5.) Fire-fighting measures

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

None known

Other information

Product itself does not burn. Adapt extinguisher and fire-fighting measures to fire in the environment.

6.) Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Pick up with absorbent material (e.g., sand, sawdust, general-purpose binder). When picked up, treat material as prescribed under heading "Disposal considerations".

7.) Handling and storage

Handling

Advice on safe handling

Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary). Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

No special measures necessary.

Storage

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage rooms must be properly ventilated.

Advice on storage assembly

None known

Further information on storage conditions

No special measures necessary.

8.) Exposure controls / personal protection

Additional hints on technical system design.

Provide adequate ventilation. This should be achieved by the use of local exhaust ventilation and good general extraction.

Exposure limit values

N O N E

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in

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any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Eye protection

Safety glasses (EN 166)

Skin protection

Clothing as usual in the chemical industry.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately.

9.) Physical and chemical properties

General information

Form	liquid
Colour	milky white
Odour	characteristic

Important health, safety and environmental information

Changes in physical state

Type	Boiling point		
Value	appr.	100	°C

Flash point

Remarks	not applicable
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Density

Value	1,08	kg/l
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pH value

Value	6	-	7
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10.) Stability and reactivity

Conditions to avoid

None, if handled according to order.

Materials to avoid

None known

Hazardous decomposition products

No hazardous decomposition products known.

Thermal decomposition

Remarks	No decomposition if used as prescribed.
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11.) Toxicological information

Other information (chapter 11.)

Product specific toxicological data are not known.

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

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12.) Ecological information

General information / ecology

Ecological data are not available.

Do not discharge product unmonitored into the environment.

13.) Disposal considerations

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14.) Transport information

Other information (chapter 14.)

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

15.) Regulatory information

Labelling in accordance with EC directives

The product does not require a hazard warning label in accordance with EC Directive 1999/45/EC.

Hazard symbols

-

N O N E

Special labelling for certain preparations

"Safety data sheet available for professional user on request."

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 2001/58/EC 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.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Relevant R-phrases (chapter 2):

41 Risk of serious damage to eyes.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing safety data sheet

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.