

Manufacturer/Supplier: Vandex Isoliermittel-Gesellschaft mbH D-21493 Schwarzenbek
Product number: 191
Trade name: VANDEX POLYCEM LIQUID
Printing date: 01.11.2001

Reviewed on: 01.11.2001

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01. Identification of substance, preparation and company

Trade name

VANDEX POLYCEM LIQUID

Manufacturer/Supplier

Vandex Isoliermittel-Gesellschaft m.b.H.

Street/P.O. Box

Industriestrasse 19 - 23

Country Code/Postal Code/Town/City

D-21493 Schwarzenbek

Telephone/Telefax

Phone: +49 4151 89 15-0

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Emergency Information

Phone: +49 4151 89 15 31 (Laboratory, Vandex Isoliermittel GmbH, Germany)

Phone: +41 32 626 36 36 (Mrs. Ch. Pridal, Vandex International Ltd, Switzerland)

02. Composition/Information on components

Chemical characterization

Water-borne plasticizer free Copolymerisate Dispersion based on Styrene/Acrylic acid ester

03. Hazards identification

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04. First aid measures

Skin contact

In case of contact with skin, clean with soap and water.

Eye contact

In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

Ingestion

When swallowed seek medical aid immediately and show the physician the packaging or the label of the packaging.

Symptoms

Until now no symptoms known so far.

05. Fire-fighting measures

Suitable extinguishing media

water

foam

carbon dioxide

Special hazards from the substance itself, its combustion products or from its vapours.

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

Under certain conditions of combustion traces of other toxic substances cannot be excluded.

Further information

The product in case of a warehouse fire, does not add to the spreading of fire.

06. Accidental release measures

Personal precautions

Forms slippery/greasy layers with water

Environmental precautions

Do not allow to enter drains or waterways.

Contain contaminated water / fire-fighting water

Methods for cleaning up/collecting

Pick up with absorbent material (e.g. sand, kieselgur, acid binder, universal binder, sawdust).

Clean contaminated floors and objects thoroughly, observing environmental regulations.

Dispose of absorbed material in accordance with the regulations.

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07. Handling and storage

Information for safe handling

Provide good ventilation when handling large quantities.
No special measures necessary if stored and handled as prescribed.

Advice on protection against fire and explosion

No special measures necessary

Further information on storage conditions

Storage: cool (+5 °C up to +35 °C. Recommended)
Protect from frost or direct sun light
Do not leave vessels/containers open

08. Exposure controls and personal protection

General protective measures

Avoid contact with eyes and skin.

Hygiene measures

Remove soiled or soaked clothing immediately.
Wash soiled clothing immediately.
Observe the usual precautions when handling chemicals.

Personal protective equipment

Skin protection

Hand protection: rubber gloves

Eye protection

Eye protection: safety glasses

09. Physical and chemical properties

Image

Form: liquid
Colour: white
Odour: of acrylic monomers

Relevant safety data

Boiling point: approx. 100°C (water)
Flashpoint: not applicable
Vapour pressure (20 °C): approx. 24 hPa
Density(23°C): 1,04g/cm³
Method : ISO 8962
Solubility in water (20°C): miscible
pH-value (20°C): 7 – 9
Method : ISO 1148
Viscosity (dynamic) (23°C): 50 – 250 mPa.s
Method : ISO 2555

10. Stability and reactivity

Thermal decomposition: No decomposition if used as prescribed.
Hazardous reactions: No hazardous reactions known.

11. Toxicological information

Acute oral toxicity: LD50 > 5.000 mg/kg (rat)
Method : EEC 84/449, B.1
Irritant effect on skin: non-irritant (rabbit)
Method : EEC 84/449, B.4
Irritant effect on eyes: non-irritant (rabbit eye)
Method : EEC 84/449, B.5

Remarks

Frequent contact can lead to skin and eye irritation, especially if product is allowed to dry out.
According to experience, the product is considered to be harmless to health if used in the correct manner.
On the basis of the product's composition, no acute general toxic effects are to be expected.
The toxicological data given are determined by analogy.

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12. Ecological information

Biodegradability: > 80 %
Method : Zahn-Wellens test
Fish toxicity: LC50 > 500 mg/l (96 h, zebra fish)
Method : OECD 203
Bacteria toxicity: ECO approx. 1.000 mg/l
Method : OECD 209

Chemical oxygen demand (OOD): 1.300 mg/g

Remarks:

Do not allow to enter soil, waterways or waste water.
May be eliminated from water by chemical flocculation.
According to experience, the material has no harmful effect on the environment.
Ecological data are determined by analogy.

13. Disposal considerations**Product**

In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and / or with responsible authority.

Diluted solution may be introduced into a biological purification plant, with permission of the responsible authorities.

Uncleaned packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport information

The product is not classified as Hazardous according to International Transport Regulations.

15. Regulatory information

The product does not require a hazard warning label in accordance with EC directives / German regulations on dangerous substances.

16. Other information**Department issuing data specification sheet:**

Technical Department

Contact

Mr. Schenk (Vandex Isoliermittel G.m.b.H., Germany) phone: +49 41 51 89 15 - 0

Ms. Pridal (Vandex International AG, Switzerland) phone: +41 32 626 36 36

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02. Composition/Information on components**Chemical characterization**

Cement preparation

Hazardous components

Cement

Concentration: 35 – 40%

Symbol: Xi

CAS number: 65997-15-1

R: 36/38

03. Hazards identification**Hazard designation**

Xi irritant

Particular information pertaining specific risk for human an environment

R 36/38 Irritating to eyes and skin.

04. First aid measures**Inhalation**

Take casualties away from dust polluted areas. In case of irritation of the air passages 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.

Ingestion

Drink plenty of water. Seek medical advice.

05. Fire-fighting measures

Product is not combustible. In contact with extinguishing water an alkaline solution - which can cause irritation - is produced.

Extinguishing media - suitable

Not applicable.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Not applicable.

Protective equipment

Not applicable.

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06. Accidental release measures

Personal precautions

Avoid contact with skin and eyes.

Environmental precautions

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

Methods for cleaning up/collecting

Clean up dry. Avoid dust formation.

07. Handling and storage

Information for safe handling

Store protected from humidity.

Keep out of the reach of children.

Avoid contact with skin and eyes.

Avoid dust formation and dust deposit.

Information about protection against explosions and fires

Not applicable.

Requirements to be met by storerooms and containers

Store protected from humidity in original packaging.

Information about separation of incompatible products

Not applicable.

08. Exposure controls and personal protection

Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If this is not sufficient to maintain concentrations of particulates below the OEL, suitable respiratory protection must be worn. Avoid dust formation.

Components with critical values that require monitoring at the workplace (exposure limits)

GENERAL THRESHOLD LIMIT VALUE (Great Britain)

Specification:	Total inhalable dust	Respirable dust
Value:	10 mg/m ³	4 mg/m ³
Valid as per (mm/yy)	1999	1999

Personal protective equipment

General protective and hygiene measures

Do not eat or drink during work – no smoking. Wash hands before breaks and after work. Apply a fatty skin protection cream before work and after each break. Use skin protection products after work.

Respiratory equipment

In case of dust formation wear suitable dust mask with P2 particle filter.

Skin protection

Use suitable protective gloves.

Eye protection

Use tightly fitting safety glasses.

09. Physical and chemical properties

Image

Form: powder

Colour: grey

Odour: odourless

Relevant safety data

Change in condition

Boiling point: not applicable

Flashpoint: not applicable

Ignition temperature: not applicable

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Explosive limits:
Lower/Upper: not applicable
Vapor pressure: not applicable
Bulk density: approx. 1.30 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

Not applicable.

Dangerous decomposition products

Not applicable.

11. Toxicological information

Acute toxicity

There is not data available on the preparation itself.

12. Ecological information

Eco-toxicological effect: Only possible in case of unintended release of big quantities in contact with water due to increased pH value.

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 following appropriate cleaning can be recycled. 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 36/38 Irritating to eyes and skin.

Safety-phrases

S 2 Keep out of the reach of children.

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 Wear suitable gloves.

National Regulations**16. Other information****Department issuing data specification sheet:**

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