

EC Material Safety Data Sheet

Manufacturer/Supplier: Vandex Isoliermittel-Gesellschaft mbH, D-21493 Schwarzenbek
Product number: 299
Trade name: VANDEX IC
Printing date: 01.11.2009

Reviewed on: 06.10.2009

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01. Identification of the preparation and the company/undertaking

Identification of the preparation

VANDEX IC

Use of the preparation

Damp proof course against rising damp

Company/Undertaking identification

Vandex Isoliermittel-Gesellschaft m.b.H.

Industriestrasse 19–23

D-21493 Schwarzenbek, Germany

Phone: +49 4151 89 15-0

Fax: +49 4151 89 15 50

Information provided by

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

Email: info@vandex.de (att. Laboratory)

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

Email: info@vandex.com (att. Technical Department)

Emergency telephone

GIZ Nord Poisons Centre, Germany

Phone: +49 551 19240

02. Hazards identification

Classification according to Guideline 1999/45/EC

Hazardous preparation

Hazard Identification

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Particular information pertaining specific risk for humans and environment

May cause irritation to skin and eyes. Vapours may cause drowsiness and dizziness.

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

03. Composition/Information on ingredients

Chemical characterization (preparation):

Silane/Siloxane preparation.

Hazardous ingredients

Ingredients	CAS no.	EINECS no.	Concentration (%)	Hazard symbols	R-phrases
Triethoxy(2,4,4-trimethylpentyl)silane	35435-21-3	252-558-1	30–60	None	R10-52/53
Triethoxyoctylsilane	2943-75-1	220-941-2	≤ 20	Xi	R38
Bentonite (contains silica)	1302-78-9	215-108-5	1–5	None	None

R10 – Flammable

R38 – Irritating to skin

R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

04. First aid measures

General Information

Remove person from exposure. Take off immediately all contaminated clothing.

Inhalation

Remove persons affected by vapour to fresh air. If symptoms persist, obtain medical attention.

Skin contact

Wash affected skin with soap and water. If symptoms persist, obtain medical attention. Contaminated clothing should be thoroughly cleaned.

Eye contact

Remove contact lenses. Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain medical attention.

Ingestion

Do not induce vomiting. Provided the patient is conscious, wash out mouth with water and give 200–300 ml (half a pint) of water to drink. Obtain immediate medical attention.

05. Fire-fighting measures

Suitable extinguishing media

Water spray, foam, dry powder or CO₂.

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Extinguishing media which shall not be used for safety reasons

None

Specific hazards

Thermal decomposition will evolve toxic and irritant vapours. Combustion products: Carbon monoxide, Carbon dioxide and Silica.

Protective equipment and precautions for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Further information

Combustible. Flash Point (°C): 74. Keep containers and surroundings cool with water spray if exposed to fire. Contain run-off water with, for example, temporary earth barriers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

06. Accidental release measures

Personal precautions

Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. See section 8.

Environmental precautions

Do not allow to enter drains, sewers or watercourses. Disposal should be in accordance with local, state or national legislation.

Methods for cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material and transfer to a container for disposal according to local / national regulations (see section 13). Wash spill area with soapy water.

07. Handling and storage

Handling

Avoid contact with eyes. Avoid prolonged skin contact. Wash hands and exposed skin after use. Do not eat, drink or smoke at the work place.

Storage

Store in original container. Keep containers in a clean, cool and dry area away from heat sources. Keep away from direct sunlight. Storage temperature above 5 °C.

08. Exposure controls and personal protection

Exposure limit values (Great Britain)

14808-60-7	Silica (respirable crystalline)	<u>EH 40/2007 Workplace exposure limits (WELs)</u> Long term exposure limit HSC/E plans to keep this limit under review	0.1 mg/m ³
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Observe country specific exposure limits.

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection

Not normally required. Wear suitable respiratory protective equipment if exposure to high levels of material are likely.

Hand protection

For large quantities – plastic or rubber gloves.

Eye protection

For large quantities – goggles giving complete protection to eyes.

Skin protection

Wear suitable protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice for diagnostics. When using, do not eat, drink or smoke.

09. Physical and chemical properties

General information

Appearance: white cream

Odour: faint, characteristic

Important health, safety and environmental information

pH value 8

Flash point: 74 °C (combustible)

Solubility in water at 20 °C: very soluble

Density 0.92 g/cm³

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10. Stability and reactivity

Stability

Stable under recommended storage conditions.

Incompatible materials and conditions

Keep away from heat and sources of ignition. Acids. Strong oxidising agents.

Hazardous decomposition products

Carbon monoxide, Carbon dioxide and silica.

11. Toxicological information

Inhalation:

Vapours may cause drowsiness and dizziness. LC50 (rat) > 5.2 mg / l / 4 h

Ingestion:

Ingestion may cause irritation of the gastrointestinal tract.

Skin contact:

May cause irritation.

Eye contact:

May cause eye irritation.

12. Ecological information

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not allow to enter drains, sewers or watercourses.

Persistence and Degradation:

Not readily biodegradable.

Toxicity

The following information refers to pure: Bentonite

LC50 Rainbow trout, donaldson trout (*Oncorhynchus mykiss*): 19'000 mg/l 96 hours

13. Disposal considerations

Disposal:

Product must be disposed of as hazardous waste in accordance with official local regulations. Do not allow to enter drains, sewers or watercourses.

Waste disposal key product / product remains (EWC):

08 04 13 aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances.

Waste disposal key uncleaned packaging

15 01 10 Packaging containing residues of or contaminated by dangerous substances

14. Transport information

Not classified according to the United Nations „Recommendations on the Transport of Dangerous Goods“.

15. Regulatory information

Labelling in accordance with EC directives

Danger symbol and danger designation: none

Hazard-determining components of labelling: Alkylakoxysilane

Risk-phrases

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

Safety-phrases

S 61 – Avoid release to the environment. Refer to special instructions / Safety Data Sheets.

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 1907/2007 (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.