

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Catalyst T 35

Print date: 04.03.2013

Product code: 415136-GHS-2013

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1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

Catalyst T 35

Company/undertaking identification

Company name:	R&G Faserverbundwerkstoffe GmbH	
	Composite Technology	
Street:	Im Meißel 7 - 13	
Place:	D-71111 Waldenbuch	
Post-office box:	1145	
	D-71107 Waldenbuch	
Telephone:	+49-7157-530460	Telefax: +49-7157-530470
e-mail:	info@r-g.de	
Internet:	www.r-g.de	
Responsible Department:	Management	
1.4. Emergency telephone number:	poison information centre	

2. Hazards identification

Classification

There is no obligatory labelling requirement according to the regulations covering preparations 1999/45/EC.

GHS: This mixture is not classified as dangerous according to Regulation (EC) No. 1272/2008.

3. Composition/information on ingredients

Chemical characterization (Mixture)

Organo-Zinnverbindung, Kieselsäureester, Polydimethylsiloxan

4. First aid measures

General information

If victim is at risk of losing consciousness, position and transport on their side.

After inhalation

Move victim to fresh air. Instruct person to keep calm and warm. Artificial respiration on respiratory arrest. Immediately consult a doctor, presenting the packaging or label.

After contact with skin

Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleanser and water. Change contaminated clothing. Immediately consult a doctor, presenting the packaging or label.

After contact with eyes

If the product comes into contact with the eyes, immediately rinse the open eyes with copious amounts of water for at least ten minutes. Afterwards consult an eye specialist.

After ingestion

Let water be swallowed in little sips (dilution effect). Do not induce vomiting. Do not introduce anything into the mouth of an unconscious person. Immediately consult a doctor, presenting the packaging or label.

5. Fire-fighting measures

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Suitable extinguishing media

Water fog. Water spray. Extinguishing powder. Sand. Foam. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons

High power water jet.

Special protective equipment for fire-fighters

Wear breathing apparatus with own air supply.

6. Accidental release measures

Personal precautions

Wear personal protection equipment. Avoid contact with skin, eyes, and clothing. Do not breathe in gases/vapours/aerosols. Ventilate adequately storage and work rooms.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment. Notify the responsible authority when the substance enters open water, the soil, or sewerage system. Contain escaping liquid with suitable material (e.g. soil). Retain contaminated washing water and dispose. Transfer to a disposal receptacle complying with the local/national legal provisions.

Methods for cleaning up/taking up

Do not rinse down with water. Collect mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Contain the spread of large quantities and pump these off into suitable receptacles. Dispose of contaminated material as § 13 waste.

Additional information

Remove from all sources of ignition.

7. Handling and storage

Handling

Advice on safe handling

Ventilate adequately storage and work rooms. Seal receptacles firmly when not in use.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Keep away from naked flames, heat sources, and sparks. Use water to cool receptacles in danger. Potentially explosive mixtures can form in partially emptied receptacles.

Storage

Requirements for storage rooms and vessels

Protect against: frost. Employ reliable measures to prevent the product from entering the soil.

Further information on storage conditions

Keep in well sealed receptacles at a cool, dry location. Ventilate adequately storage and work rooms.

Protect against moisture and water.

Do not store at temperatures over: 30°C

Do not store at temperatures under: 0°C

8. Exposure controls/personal protection

Exposure limit values

8.2. Exposure controls

Protective and hygiene measures

Avoid contact with skin and eyes. Do not breathe in gases/vapours/aerosols. Do not smoke, eat, or drink during work. Wash hands before breaks and after work.

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Respiratory protection

In the event of long or excessive effects: use a gas mask with type A filter.

Hand protection

Wear protective gloves.

Qualified materials: Butyl rubber. NBR (Nitrile rubber).

On signs of decomposition or chemical permeability gloves should be immediately taken off and replaced. Gloves are suitable for application times up to 60 min.

Eye protection

Wear goggles.

Skin protection

Wear protective clothing.

Environmental exposure controls

Do not let the product enter the groundwater, open water, or the sewerage system.

9. Physical and chemical properties

General information

Physical state:	liquid
Colour:	colourless
Odour:	weak

Important health, safety and environmental information

	Test method
Changes in the physical state	
Boiling point:	225 - 230 °C bei 1013 hPa
t:	ISO 9038
Flash point:	70 °C ISO 2719
Vapour pressure:	1 hPa
(at 20 °C)	
Density (at 20 °C):	0,94 g/cm ³ DIN 51757
Water solubility:	insoluble
Viscosity / dynamic:	10 mPa·s
(at 23 °C)	

9.2. Other information

Ignition temperature:	250 °C DIN 51794
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Löslichkeit in Wasser: es tritt hydrolytische Zersetzung ein.
Hydrolyseprodukte senken den Flammpunkt.

10. Stability and reactivity

10.4. Conditions to avoid

moisture

Materials to avoid

Reacts with: Water. alkaline substances and acids
Formation of: alcohols.

11. Toxicological information

Acute toxicity

oral LD50 Ratte: >20.000 mg/kg

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Carcinogenic/mutagenic/toxic effects for reproduction

Bacterial Reverse Mutation Test: nicht mutagen

Additional information on tests

No damaging effects when the product is handled properly.

12. Ecological information

Ecotoxicity

Do not introduce larger quantities in clarification plant.

12.2. Persistence and degradability

Das Hydrolyseprodukt Propanol ist biologisch leicht abbaubar.

Der Siliconanteil ist nicht abbaubar.

Polydimethylsiloxane sind durch abiotische Vorgänge in gewissem Umfang abbaubar.

12.6. Other adverse effects

Do not let the product enter the groundwater, open water, or the sewerage system.

Further information

Polymerkomponente: Elimination durch Adsorption an Belebtschlamm.

Reagiert mit Wasser unter Bildung von Propanol und Silanol- und/oder Siloxanol-Verbindungen.

13. Disposal considerations

Advice on disposal

Carry out a burning of hazardous waste according to official regulations.

Contaminated packaging

Noncleanable packaging must be disposed of like the substance. Cleaned containers may be recycled.

14. Transport information

Land transport (ADR/RID)

ADR/RID class: Not a hazardous material with respect to transportation regulations.

Other applicable information (land transport)

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

IMDG code: Not a hazardous material with respect to transportation regulations.

Other applicable information (marine transport)

No dangerous good in sense of this transport regulation.

Air transport (ICAO)

ICAO/IATA-DGR: Not a hazardous material with respect to transportation regulations.

Other applicable information (air transport)

Not restricted

Other applicable information

Post Deutschland: 1.000 ccm/Gefäß, 3.000 ccm/Packstück

15. Regulatory information

Labelling

Additional advice on labelling

not classified as dangerous under the hazardous substances laws (GefStoffV)/EC Directives

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GHS labelling

National regulatory information

Water contaminating class (D): 3 - highly water contaminating

Additional information

not applicable

16. Other information

Further Information

All information, recommendations, and advice on the part of R&G Faserverbundwerkstoffe GmbH are published to the best of our knowledge and belief. They are noncommittal and contain neither explicit nor tacit assurance or warranty of particular properties. The values specified for properties are typical figures. Recommendations or advice serve to describe our products and possible applications in a general or exemplary, but not specifically individual manner. In the course of the constant technical advancement and improvement of our products there may be changes to the characteristic values, copy, and diagrams; no specific reference is made to any such change. Owing to our products' wide and highly diverse range of potential applications far beyond any of our attempts to analyse, the customer alone is responsible for examining our products' suitability for the respective processes and purposes and their respective processibility. All and any protective rights and the applicable laws, terms, and conditions must be observed by the buyer or user of our products at their own responsibility. Publication is not a licence and does not intend the violation of any patents.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)