# Data Sheet

# EC Safety Data Sheet SCR-Catalysts RFV



# Substance/formulation name and company name

# Trade name of the product:

SCR-Catalyst RFV miscellaneous

# Company/Information from:

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# 2. Composition/Data on ingredients

## **Chemical characterization:**

Ceramic product consiting of:  $TiO_2$ ,  $WO_3$ ,  $V_2O_5$  as well as  $SiO_2$ ,  $Al_2O_3$ , MgO in the form of glass fibers and clay.

Chemical composition:		
Name	CAS-No.	Content [%]
Titandium dioxide TiO <sub>2</sub>	13463-67-7	75
Tungsten trioxide WO <sub>3</sub>	1314-35-8	8
Vanadium pentoxide V <sub>2</sub> O <sub>5</sub>	1314-62-1	1-3
Others		approx. 15

#### 3. Possible hazards

If the usual occupational hygiene regulations are observed and inhalation of product dusts is avoided, handling of the product presents no significant risk.

The product does not constitute a fire or explosion risk.

# 4. First aid measures

# General information:

A Remove contaminated clothing.

# On eye contact:

△ Open the lid wide, immediately wash thoroughly with water for 15 minutes and if necessary consult a doctor. Show the doctor this data sheet.

# On skin contact:

A Remove contaminated clothing and thoroughly wash affected skin areas with soap and water.

# When taken by mouth:

Wash out the mouth with water and drink plenty of water.

# On inhalation:

Bring the affected person from the danger zone into the fresh air. If breathing difficulty persists, consult a doctor.

# Information for the doctor:

∆ Treat according to symptoms (decontamination, vital functions), give chelating agents.

#### 5. Fire fighting measures

# Suitable extinguishing agents:

All extinguishing agents are suitable. Tailor the extinguishing agent to the primary fire and the environ¬ment. Extinguishing agents unsuitable for safety reasons are not known.

The product itself is non-flammable

## Special protective equipment or measures for fighting fires:

Personal protective equipment and extinguishing measures must be tailored to the primary fire.

# 6. Measures in the event of accidental release

# Person-related precautions:

Wear protective clothing with breathing mask. Close outflows. Prevent the product from coming into contact with the eyes. Do not inhale product dusts. Deposit product dusts by spraying water.

## **Environmental protection measures:**

Do not release into the sewerage system or surface water.

## Procedure for cleaning/pick-up:

Spilt product should preferably be carefully picked up mechanically and deposited in marked, resistant containers while avoiding dust formation and should then be sent for recycling or should be disposed of.

If necessary, clean the floor with water.

# 7. Handling and storage

# Handling:

Process the product only in well ventilated work rooms. Avoid the formation of product dusts and the spread of these dusts in the atmosphere. Effectively extract any product dusts released directly at the place of disposal. Eye wash bottles should be available at the workplace. Comply with the conditions of use.

# Storage:

The product should be stored away from moisture and from weather influences. Only pallets with a frame are stackable. During transfer, avoid dust formation. The product can be packed in commercial packaging materials. Suitable packaging materials: cardboard, paper, plastic.

# Limitation of exposure and personal protective equipment:

# Design of industrial plants:

Ensure efficient extraction when processing the product

# Components with workplace limits:

When inhalable dusts occur:

Max. workplace concentration (V2O5): 0.05 mg/m3 (measured as fine dust)

Max. workplace concentration (fine dust): 6 mg/m3

# Occupational hygiene and personal protective equipment:

Comply with the general industrial hygiene regulations of the responsible employers' association. Avoid direct contact

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with the product. Do not inhale production dusts. Store work clothing separately. Change soiled work clothing and thoroughly clean before reuse. Wash hands and/or face before breaks and at the end of work.

# Respiratory protection:

△ Breathing mask with particle filter P3\* (for solid and) liquid particles, large retentivity, DIN 3181)

\* Comply with wearing time limit according to TRgA 415.

## Eye protection:

△ Safety goggles closed at sides

# Hand protection:

A Protective rubber or plastic gloves

# **Body protection:**

△ Work clothing

# Physical and chemical properties

#### Appearance:

Shape: Honeycomb

Colour: On-spec: white to light green, light yellow

Odour: Odourless

# Safety-relevant data:

Stacking density: approx. 600 kg/m3 Solubility in water: slightly soluble pH: approx. 2.5

#### 10. Stability and reactivity

No decomposition with proper storage and handling.

# Toxicological data

For the handling of this product, no harmful effects are known.

Harmful when inhaling the fine dust of this product

#### **Ecological data** 12.

# Data on elimination:

Slightly water-soluble, inorganic product. Can be largely mechanically separated in wastewater treatment plants.

# Action in environmental compartments:

The product contains the heavy metals V and W. Release into the environment must be avoided. Special pre-treatment are required.

# **Ecotoxic effects:**

LC(50)/Leuciscus idus: approx. 5,000 mg/l/48h

#### 13. Information on disposal

According to the relevant statutory regulations, the product should be preferably recycled. If recycling appears uneconomical, for example owing to a high level of contamination, the waste code depends primarily on the impurities contained. Information on reuse/recycling can be obtained from the dealer/manufacturer.

#### Contaminated packaging:

Contaminated empty containers should be treated in the same way as the ingredients.

# Information on transport

This product is not subject to the regulations on the transport of hazardous materials.

## Regulations

This product is not a hazardous substance in the meaning of the regulation on hazardous substances and the relevant EC Directives (67/548/EEC and 88/379/EEC) in their respective valid versions at the time of preparation of the data sheet.

## Labelling according to EC Directives:

S22 - Do not inhale dust

# National regulations:

Water hazard class: 1 (Germany) (self-classification) (slightly hazardous to water).

#### Other countries:

Follow the national regulations.

## Other information

Document versions are indicated at the bottom.

Information is based on the present state of our knowledge and experience.

The Safety Data Sheet describes products with regard to safety requirements.

The information does not imply any assurance of properties. The recipient of our product is himself responsible for observing existing laws and regulations

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