





## Material Safety Data Sheet

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Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Aluminum oxide, Hydrogen chloride gas

Hydrogen chloride gas, Sodium oxides

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 6. Accidental release measures

Personal precautions

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 7. Handling and storage

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### 8. Exposure controls/personal protection

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts and



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Melting point: 190 °C  
Boiling point: not available  
Ignition temperature: 187,7  
Flash point: not available  
Autoignition temperature: not available  
Explosion limits  
    lower: not available  
    upper: not available  
Density (25 °C) : 0,9 g/mL at 25°C  
Bulk density: not available  
Solubility in  
    water (20 °C) : not available  
    diluted acids (20 °C) : not available  
Thermal decomposition: not available

### 10. Stability and reactivity

Chemical stability  
Stable under recommended storage conditions.  
Conditions to avoid  
no data available  
Materials to avoid  
Strong oxidizing agents  
Hazardous decomposition products  
Other decomposition products - no data available

### 11. Toxicological information

Acute toxicity  
no data available  
Skin corrosion/irritation  
no data available  
Serious eye damage/eye irritation  
no data available  
Respiratory or skin sensitization  
no data available  
Germ cell mutagenicity  
no data available  
Carcinogenicity  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
Specific target organ toxicity - single exposure  
no data available  
Specific target organ toxicity - repeated exposure  
no data available  
Aspiration hazard  
no data available  
Potential health effects  
Inhalation

May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.



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Ingestion May be harmful if swallowed. Causes burns.  
Skin May be harmful if absorbed through skin. Causes skin burns.  
Eyes Causes eye burns.

### 12. Ecological information

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

Very toxic to aquatic life.

### 13. Disposal considerations

Product

Offer surplus and non-recyra