



# Material Safety Data Sheet



## 4. First aid measures

### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

### **In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

### **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 5. Fire-fighting measures

### **Suitable extinguishing media**

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

### **Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. Accidental release measures

### **Personal precautions**

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

### **Environmental precautions**

Do not let product enter drains.

### **Methods and materials for containment and cleaning up**

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

## 7. Handling and storage

### **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Keep away from heat and sources of ignition.

### **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**

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## 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 are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

## 9. Physical and chemical properties

**Form:** crystal

**Colour:** white and transparent

**Odour:** not available

**pH value:** 2.5 - 3.5 at 50 g/l at 25 °C

**Melting point:** 73 °C

**Boiling point:** not available

**Ignition temperature:** not available

**Flash point:** not available

**Autoignition temperature:** not available

### Explosion limits

**lower:** not available

**upper:** not available

**Density :** not available

**Bulk density:** not available

### Solubility in

**water (20 °C) :** soluble in water

**diluted acids (20 °C) :** not available

**Thermal decomposition:** not available

## 10. Stability and reactivity

### Chemical stability

no data available

### Conditions to avoid

Avoid moisture.

### Materials to avoid

Strong reducing agents, Powdered metals, Strong acids

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NO<sub>x</sub>), Aluminum oxide, Borane/boron oxides, Iron oxides

## 11. Toxicological information

### Acute toxicity

LD50 Oral - Rat - 3,671 mg/kg

### Skin corrosion/irritation



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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 -**



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**IATA**

UN-Number: 1438    Class: 5.1    Packing group: III  
Proper shipping name: Aluminium nitrate

**15. Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**16. Other information**

General update.

*Regional representation:*

This information is given on the authorised Safety Data Sheet for your country.