

Material Safety Data Sheet

Emergency Fire control 8000 MSDS

Section 1: Chemical Product and Company Identification

Product Name: Emergency fire control 8000

Contact Information:

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Section 2: Composition and Information on Ingredients

Composition:

Toxicological Data on Ingredients:Emergency fire control 8000: ORAL (LD50): Acute: 2840 mg/kg [Rat]. 640 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at

least 15 minutes. Cold water may be used. Get medical attention.

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Skin Contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove

contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse.

Thoroughly clean shoes

before reuse. Get medical attention.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream.

Seek medical attention.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get

medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an

unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if

symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non combustible .
Auto-ignition Temperature: Not available.
Flammable Limits: Not available.
Products of Combustion: Not available.
Fire Hazards in Presence of Various Substances:
Do not mix Emergency fire control 8000 with any other chemical

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled liquid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Clear to brownish yellow liquid

Odor: Odorless.

Taste: Not available.

Molecular Weight: 132.14 g/mole

Color: brownish yellow to white

pH (1% soln/water): Not available.

Boiling Point: Not available.

Melting Point: 280°C (536°F)

Critical Temperature: Not available.

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Specific Gravity: 1.77 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility:

Soluble in cold water.

Insoluble in acetone.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials.

Incompatibility with various substances:

Highly reactive with oxidizing agents.

Reactive with alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:

Incompatible with the following:

Potassium + ammonium nitrate, potassium chlorate, potassium nitrate, potassium nitrite, sodium hypochlorite,

sodium/potassium alloy + ammonium nitrate. Substance should not contact either zinc or copper bearing materials.

Reacts with alkali to release ammonia.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 640 mg/kg [Mouse].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals:

Lowest Published Lethal Dose/Conc:

LDL [Domestic animal - Goat, Sheep) - Route: Oral; Dose: 3500 mg/kg

Special Remarks on Chronic Effects on Humans:

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It may be a possible mutagen. It has been tested for mutagenicity, but so far tests have been inconclusive or test

information has not been made available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Skin: Causes skin irritation.

Eyes: Causes eye irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: When ingested, its osmolarity can draw water from the body into the bowel, acting as a laxative.

However, if enough is absorbed systemically it may produce Ammonia poisoning. Symptoms may include

gastrointestinal (digestive) tract irritation with nausea, vomiting, hypermotility, diarrhea. May also affect eyes

(Mydriasis), behavior/central nervous system (somnolence, tremor, convulsions, muscle contraction or spasticity),

and respiratory system (respiratory stimulation, dyspnea). Also, with ingestion of large doses of Ammonium

Sulfate arises the possibility of sufficient absorption to produce diuresis, an excessive discharge of urine, and

kidney damage (renal tubular disorder, abnormal renal function).

Chronic Potential Health Effects:

One Russian occupational standard study discussed chronic exposure effects which may include cardiac

contraction, neurotoxicity, and hypertension. This has not been confirmed in other ammonium sulfate exposed

workers.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with municipal and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material.

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Information

References: Not available.

Other Special Considerations: Not available.

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