# **Material Safety Data Sheet**

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name Maleic anhydride

Product Number M625 Brand Aldrich

Supplier Sigma-Aldrich

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both supplier and manufacturer)

Preparation Information Sigma-Aldrich Corporation

Product Safety - Americas Region

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### 2. HAZARDS IDENTIFICATION

### **Emergency Overview**

### **OSHA Hazards**

Toxic by ingestion, Skin and respiratory sensitizer, Corrosive, Irritant

### Other hazards which do not result in classification

Sternutator.

### **GHS Classification**

Acute toxicity, Oral (Category 4) Acute toxicity, Dermal (Category 5) Skin corrosion (Category 1B) Serious eye damage (Category 1) Respiratory sensitization (Category 1) Skin sensitization (Category 1) Acute aquatic toxicity (Category 3)

### GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)

Harmful if swallowed. H302

H313 May be harmful in contact with skin.

Causes severe skin burns and eye damage. H314

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H402 Harmful to aquatic life.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Wear protective gloves/ protective clothing/ eye protection/ face protection. P280

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if P305 + P351 + P338

P310

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# **Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

# 6. ACCIDENTAL RELEASE MEASURES

# **Personal precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust.

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# **Teratogenicity**

Developmental Toxicity - rat - Oral

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

no data available

## Specific target organ toxicity - single exposure (Globally Harmonized System)

no data available

# Specific target organ toxicity - repeated exposure (Globally Harmonized System)

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. Causes respiratory tract irritation.

**Ingestion** Toxic if swallowed.

**Skin** May be harmful if absorbed through skin. Causes skin burns. Causes skin irritation.

**Eyes** Causes eye burns. Causes eye irritation.

# Signs and Symptoms of Exposure

Cough, Shortness of breath, Headache, Nausea, Vomiting

# Synergistic effects

no data available

# **Additional Information**

RTECS: ON3675000

### 12. ECOLOGICAL INFORMATION

### **Toxicity**

Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 230 mg/l - 96 h

Toxicity to daphnia and other aquatic

invertebrates

EC50 - Daphnia magna (Water flea) - 88 mg/l - 24 h

Toxicity to algae

EC50 - Desmodesmus subspicatus (green algae) - 29 mg/l - 72 h

# Persistence and degradability

Biodegradability Biotic/Aerobic

Result: 98 % - Readily biodegradable.

#### Bioaccumulative potential

no data available

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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