# Material Safety Data Sheet

Version 3.0 Revision Date 12/31/2008 Print Date 01/25/2010

### Product name 4,6-Dioxoheptanoic acid

1. PRODUCT AND COMPANY IDENTIFICATION

Product Number D8645 Brand

: Sigma : Sigma-Aldrich Canada, Ltd. Company

CANADA : +19058299500 Telephone : +19058299292 Fax Emergency Phone #

: 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

: C7H10O4 Formula Molecular Weight : 158.16 g/mol

Index-No. CAS-No. EC-No. Concentration 4,6-Dioxoheptanoic acid

2149 Winston Park Drive OAKVILLE ON L6H 6J8

51568-18-4 3. HAZARDS IDENTIFICATION

Moderate skin irritant

### WHMIS Classification Toxic Material Causing Other Toxic Effects

Moderate respiratory irritant Moderate eye irritant HMIS Classification

Health Hazard: 2 Flammability: 0 Physical hazards: 0 Potential Health Effects

Skin Eyes

General advice

Inhalation May be harmful if inhaled. Causes respiratory tract irritation. May be harmful if absorbed through skin. Causes skin irritation.

Causes eye irritation. May be harmful if swallowed. Ingestion 4. FIRST AID MEASURES

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

no data available

Ignition temperature no data available

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Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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

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

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

Flammable properties

In case of skin contact

5. FIRE-FIGHTING MEASURES

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

Flash point

Special protective equipment for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary.

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Methods for cleaning up Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Personal protective equipment Respiratory protection

Handle with gloves.

place.

Appearance Form

Safety data рΗ

Melting point

Boiling point

Water solubility

Storage stability

Materials to avoid

10. STABILITY AND REACTIVITY

Hygiene measures

7. HANDLING AND STORAGE

Environmental precautions Do not let product enter drains.

Personal precautions

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1

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(EN 143) respirator. Use respirators and components tested and approved under appropriate government

### Keep container tightly closed in a dry and well-ventilated place. 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Handling

Storage

standards such as NIOSH (US) or CEN (EU). Hand protection

Contains no substances with occupational exposure limit values.

Eye protection Safety glasses

Skin and body protection Sigma-Aldrich Corporation Sigma - D8645 www.sigma-aldrich.com

solid

Lower explosion limit no data available Upper explosion limit no data available

Stable under recommended storage conditions.

Strong oxidizing agents, Strong bases Hazardous decomposition products

no data available

no data available

no data available

Hazardous decomposition products formed under fire conditions. - Carbon oxides

66 - 67 °C (151 - 153 °F)

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end 9. PHYSICAL AND CHEMICAL PROPERTIES

Choose body protection according to the amount and concentration of the dangerous substance at the work

no data available Flash point Ignition temperature no data available

### 11. TOXICOLOGICAL INFORMATION Acute toxicity no data available

Irritation and corrosion

no data available Sensitisation no data available Chronic exposure

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.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Sigma - D8645

Signs and Symptoms of Exposure

Potential Health Effects Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Causes eye irritation.

Elimination information (persistence and degradability)

May be harmful if swallowed.

no data available 13. DISPOSAL CONSIDERATIONS

## Not dangerous goods 15. REGULATORY INFORMATION

4,6-Dioxoheptanoic acid

WHMIS Classification

16. OTHER INFORMATION

Further information

14. TRANSPORT INFORMATION

Not dangerous goods

Not dangerous goods

DOT (US)

IMDG

Toxic Material Causing Other Toxic Effects D2B

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CAS-No. 51568-18-4

Moderate skin irritant

Moderate respiratory irritant Moderate eye irritant

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May be harmful if absorbed through skin. Causes skin irritation.

12. ECOLOGICAL INFORMATION

Further information on ecology

Skin

Eyes

Ingestion

no data available

Ecotoxicity effects no data available

Product Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging Dispose of as unused product.

DSL Status This product contains the following components that are not on the Canadian DSL nor NDSL lists.

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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 Co., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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