# SIGMA-ALDRICH

# Material Safety Data Sheet

Version 3.1 Revision Date 06/18/2009 Print Date 03/27/2011

RODUCT AND COMPANY IDENTIFICATION     Product name   :   3 <i>H</i> -1,2-Benzodithiol-3-one 1,1-dioxide     Product Number   :   B1027     Brand   :   Sigma     Company   :   Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA     Telephone   :   +18003255832     Fax   :   +18003255832     Fax   :   +18003255832     Fax   :   +18003255832     Fax   :   +18003255052     Emergency Phone #   :   (314) 776-6555     OMPOSITION/INFORMATION ON INGREDIENTS   Synonyms   :     Synonyms   :   Beaucage reagent     Formula   :   C7H4O3S2     Molecular Weight   :   200.23 g/mol     CAS-No.   EC-No.   Index-No.     3H-1,2-Benzodithiol-3-one 1,1-dioxide   66304-01-6   -     AZARDS IDENTIFICATION   Emergency Overview   OSHA Hazards     No known OSHA hazards   No known OSHA hazards   No known OSHA hazards     HMIS Classification   Health Hazard:   0     Physical hazards:   0   O <tr< th=""><th></th></tr<>			
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# 4. FIRST AID MEASURES

#### If inhaled

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

# In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

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

# 5. FIRE-FIGHTING MEASURES

#### Flammable properties

Flash point no data available

Ignition temperature no data available

# Suitable extinguishing media

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

#### Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

# 6. ACCIDENTAL RELEASE MEASURES

# Personal precautions

Avoid dust formation.

# Environmental precautions

Do not let product enter drains.

# Methods for cleaning up

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

# 7. HANDLING AND STORAGE

#### Handling

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

# Storage

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

Recommended storage temperature: 2 - 8 °C

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

# Personal protective equipment

# **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).

# Hand protection

For prolonged or repeated contact use protective gloves.

# Eye protection Safety glasses

**Hygiene measures** General industrial hygiene practice.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

# Appearance

Form

Safety data

ciy data	
рН	no data available
Melting point	103 - 107 °C (217 - 225 °F) - lit.
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available

solid

# **10. STABILITY AND REACTIVITY**

#### Storage stability

Stable under recommended storage conditions.

# Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides

# 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.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### Signs and Symptoms of Exposure

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

# **Potential Health Effects**

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

# **12. ECOLOGICAL INFORMATION**

#### Elimination information (persistence and degradability)

no data available

#### **Ecotoxicity effects**

no data available

#### Further information on ecology

no data available

# **13. DISPOSAL CONSIDERATIONS**

#### Product

Observe all federal, state, and local environmental regulations.

# Contaminated packaging

Dispose of as unused product.

# **14. TRANSPORT INFORMATION**

DOT (US) Not dangerous goods

**IMDG** Not dangerous goods

IATA Not dangerous goods

# **15. REGULATORY INFORMATION**

#### **OSHA Hazards**

No known OSHA hazards

#### DSL Status

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

3H-1,2-Benzodithiol-3-one 1,1-dioxide

#### CAS-No. 66304-01-6

#### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

# SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

# SARA 311/312 Hazards

No SARA Hazards

# Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know Components

3H-1,2-Benzodithiol-3-one 1,1-dioxide	CAS-No. 66304-01-6	Revision Date
New Jersey Right To Know Components	CAS-No.	Revision Date
3H-1,2-Benzodithiol-3-one 1,1-dioxide	66304-01-6	

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#### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

# **16. OTHER INFORMATION**

#### **Further information**

Copyright 2009 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only. 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.