

# SIGMA-ALDRICH

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# **Material Safety Data Sheet**

Version 5.0 Revision Date 05/04/2012 Print Date 08/02/2012

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name

: 9,9-Dimethylxanthene

Product Number

376973 Aldrich

Brand

Sigma-Aldrich

Supplier 3050 Spruce Street

SAINT LOUIS MO 63103

USA

Telephone

+1 800-325-5832 +1 800-325-5052

Fax Emergency Phone # (For

(314) 776-6555

both supplier and manufacturer)

Preparation Information

Sigma-Aldrich Corporation

Product Safety - Americas Region

1-800-521-8956

## 2. HAZARDS IDENTIFICATION

## **Emergency Overview**

**OSHA Hazards** 

Skin sensitiser

**GHS Classification** 

Skin sensitization (Category 1)

## GHS Label elements, including precautionary statements

Pictogram

Signal word

Warning

Hazard statement(s)

H317

May cause an allergic skin reaction.

Precautionary statement(s)

P280 Wear protective gloves.

**HMIS Classification** 

Health hazard: Flammability: Physical hazards: Λ

**NFPA Rating** 

Health hazard: 2 Reactivity Hazard: 0

**Potential Health Effects** 

Inhalation

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

Skin Eyes Ingestion

May cause eye irritation. May be harmful if swallowed.

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# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula

: C<sub>15</sub>H<sub>14</sub>O : 210,27 g/mol

Molecular Weight

Component	
19814-75-6	-5
	19814-75-6

## 4. FIRST AID MEASURES

#### General advice

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

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

Flush eyes with water as a precaution.

#### If swallowed

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

## 5. FIREFIGHTING MEASURES

## Conditions of flammability

Not flammable or combustible.

## Suitable extinguishing media

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

#### Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 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. Avoid breathing dust.

## **Environmental precautions**

Do not let product enter drains.

## Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. 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.

#### Conditions for safe storage

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

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

#### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

## Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

## Skin and body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

## **Appearance**

Form

solid

no data available

# Colour Safety data

рΗ Meltina no data available

point/freezing point

Melting point/range: 35 - 38 °C (95 - 100 °F) - lit.

Boiling point

114 - 115 °C (237 - 239 °F) at 0.8 hPa (0.6 mmHg) - lit

Flash point Ignition temperature 113 °C (235 °F) - closed cup

Autoignition

no data available no data available

temperature

Lower explosion limit

no data available

Upper explosion limit

no data available

Vapour pressure

no data available

Density

no data available

Water solubility

no data available

Partition coefficient: n-octanol/water

no data available no data available

Relative vapour

density

Odour

no data available

Odour Threshold

no data available

Evaporation rate

no data available

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## 10. STABILITY AND REACTIVITY

#### Chemical stability

Stable under recommended storage conditions.

## Possibility of hazardous reactions

no data available

#### Conditions to avoid

no data available

# Materials to avoid

Strong oxidizing agents

## Hazardous decomposition products

Hazardous decomposition products formed under fire conditions, - Carbon oxides Other decomposition products - no data available

## 11. TOXICOLOGICAL INFORMATION

## Acute toxicity

## Oral LD50

no data available

## Inhalation LC50

no data available

## Dermal LD50

no data available

## Other information on acute toxicity

no data available

## Skin corrosion/irritation

no data available

# Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitization

May cause allergic skin reaction.

## Germ cell mutagenicity

# 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.

ACGIH: NTP:

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.

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.

#### Reproductive toxicity

no data available

#### Teratogenicity

no data available

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

no data available

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

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no data available

## **Aspiration hazard**

no data available

## Potential health effects

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion

May be harmful if swallowed,

Skin

May be harmful if absorbed through skin, May cause skin irritation.

Eyes

May cause eye irritation.

## Signs and Symptoms of Exposure

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

## Synergistic effects

no data available

## Additional Information

RTECS: Not available

## 12. ECOLOGICAL INFORMATION

## Toxicity

no data available

#### Persistence and degradability no data available

#### Bioaccumulative potential no data available

#### Mobility in soil

no data available

## PBT and vPvB assessment

no data available

## Other adverse effects

no data available

## 13. DISPOSAL CONSIDERATIONS

## Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

## Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

# DOT (US)

Not dangerous goods

## IMDG

Not dangerous goods

Not dangerous goods

## 15. REGULATORY INFORMATION

## **OSHA Hazards**

Skin sensitiser

## SARA 302 Components

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

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#### 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

Acute Health Hazard

## Massachusetts Right To Know Components

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

## Pennsylvania Right To Know Components

**New Jersey Right To Know Components** 

CAS-No.

Revision Date

9,9-Dimethylxanthene

19814-75-6

Revision Date

9,9-Dimethylxanthene

CAS-No. 19814-75-6

## California Prop. 65 Components

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

#### 16. OTHER INFORMATION

#### Further information

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