

# Safety Data Sheet

Release 1.0  
Revision 12/02/2020  
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## 1 Identification of the substance

### Identification of the substance

Identification of the substance Diethone

Additional identification 3,5-Dicarbethoxy-2,6-dimethyl-1,4-dihydropyridine; Diludine

Biosynth catalog no. FD00103

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

### Use of the substance/preparation

#### Identified uses

Restriction on use not for food or drug use, for laboratory use only

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### Emergency Number

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## 2 Hazards identification

### Health Hazards

Skin corrosion/irritation (Category 2)

Serious eye damage/eye irritation (Category 2)

Single exposure: Respiratory tract irritation (Category 3)

### Environmental Hazards

not classified

### Physical Hazards

not classified

### Possible Hazards (Summary)

### GHS Labeling

Regulatory List  
EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Symbol  
GHS07 exclamation mark

Pictogram

*Signal Word*

Warning                      Warning

*Hazard Statement*

H315                      Causes skin irritation.

H319                      Causes serious eye irritation.

H335                      May cause respiratory irritation.

*Precautionary Statement*

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

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

P302+P352              IF ON SKIN: Wash with plenty of soap and water.

P304+P340              IF INHALED: Remove casualty to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Remove contact lenses, if possible.

*Additional Information*

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

**3 Composition/information on ingredients****Substance related information***Substance name*                      Diethone*Synonymes*                              3,5-Dicarbethoxy-2,6-dimethyl-1,4-dihydropyridine; Diludine*Cas No.*                                      [1149-23-1]*Formula*                                      C<sub>13</sub>H<sub>19</sub>NO<sub>4</sub>**4 First aid measures****First Aid: Eye**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**First Aid: Skin**

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

**First Aid: Ingestion**

Wash out mouth with water provided person is conscious. Call a physician.

**First Aid: Inhalation**

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

**Hints for Physician: Treatment**

Treat symptomatically.

**5 Firefighting measures**

**Extinguishing Media****Suitable**

foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet

**Hazards During Fire-Fighting**

toxic fumes

**Protective Equipment for Fire-Fighting**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Fire-Fighting/Further Advice**

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

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**6 Accidental release measures****Personal Precautions**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

**Environmental Precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

**Methods for Cleaning or Taking Up**

not available

**Further Accidental Release Measures**

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

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**7 Handling and storage****Handling****Handling advice**

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

**Storage****Storage temperature**

store at 2°C - 8°C

**Storage condition**

close container well

**Storage Requirements**

Store in a cool, dry, well-ventilated area away from incompatible substances.

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**8 Exposure controles/personal protection****Exposure controles****Industrial Hygiene**

Mechanical exhaust required. Safety shower and eye shower.

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**Personal Protective Equipment****Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

**Hand Protection**

Wear compatible chemical-resistant gloves to prevent skin exposure.

**Eye Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

**Body Protection**

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

**Advice on Safe Handling**

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

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**9 Physical and chemical properties****Color**

yellow

**Form**

powder

**Phase Transition Solid/Liquid**

183 °C

**Molar Mass**

253.29 g/mol

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**10 Stability and reactivity****Conditions to Avoid**

incompatible materials

**Substances to Avoid**

strong oxidizers

**Decomposition Products**

nitrogen oxides (NO<sub>x</sub>), carbon dioxide (CO<sub>2</sub>), carbon monoxide

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**11 Toxicological information****Acute Toxicity**

LD50 oral, Mouse, 32,000 mg/kg

**Other Relevant Toxicity Information**

Only selected Registry of toxic effects of chemical substances (RTECS) data is presented here. For the complete information, consult current entry in RTECS.

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**12 Ecological Information****Biodegradation**

no data available

**Bioaccumulation**

no data available

**Distribution in Environment**

no data available

### 13 Disposal considerations

#### Advice on Disposal and Packaging

##### *Advice on Disposal*

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

##### *Advice on Packaging*

not available

### 14 Transport information

#### Road Transport (ADR/GGVs)

not regulated

#### Air Transport (IATA)

not regulated

### 15 Other regulations

#### Other Regulations

##### *Regulatory List*

EINECS, TCSI

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Diethone	-----	-----	-----

### 16 Additional information

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