

Safety Data Sheet

Release 1.0
Revision 10/23/2018
Date of issue 08/29/2019

1 Identification of the substance

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Identification of the substance N-Ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline

Additional identification 2-Ethoxy-1-(ethoxycarbonyl)-1,2-dihydroquinoline

Biosynth catalog no. E-5001

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

Use of the substance/preparation

Identified uses enzyme substrate or reagent

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

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2 Hazards identification

Possible Hazards (Summary)

Skin Skin corrosion/irritation (Category 2)

Ingestion acute toxicity (Category 4)

GHS Labeling

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

Symbol
GHS07 exclamation mark

Pictogram



Signal Word
Warning Warning

Hazard Statement
H302 Harmful if swallowed.
H315 Causes skin irritation.

Precautionary Statement

| | |
|-----------|--|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash ... thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |

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**

| | |
|-----------------------|--|
| <i>Substance name</i> | N-Ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline |
| <i>Synonymes</i> | 2-Ethoxy-1-(ethoxycarbonyl)-1,2-dihydroquinoline |
| <i>Cas No.</i> | [16357-59-8] |
| <i>Formula</i> | C ₁₄ H ₁₇ NO ₃ |

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 (CO₂), 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.

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.

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 -15°C

Storage condition

protect from light

Storage Requirements

Warm to Room Temperature before use. Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

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

Mechanical exhaust required. Safety shower and eye shower.

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.

9 Physical and chemical properties**Form**

powder

Phase Transition Solid/Liquid

56.5 °C

Phase Transition Liquid/Gas

355.9 °C

Molar Mass

247.30 g/mol

Flash Point

169 °C

10 Stability and reactivity**Conditions to Avoid**

incompatible materials, light

Substances to Avoid

strong oxidizers

Decomposition Productsnitrogen oxides (NO_x), carbon dioxide (CO₂), carbon monoxide**11 Toxicological information****Acute Toxicity**

LD50 intraperitoneal, Mouse, 32 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.

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, Dispose of waste according to laws applicable.

Advice on Packaging

not available

14 Transport information**Road Transport (ADR/GGVS)***Not restricted***Air Transport (IATA)***Not restricted***15 Other regulations**

Other Regulations*Regulatory List*

DSL, EINECS, NZIOC, TCSI, TSCA

16 Additional information**GHS Labeling***Regulatory List*

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