

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Printing date 08/19/2016

Version 3

Reviewed on 11/12/2015

## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name : 2,4-Diethyl-9H-thioxanthen-9-one  
 Product number : JADEWIN DETX  
 CAS-No. : 82799-44-8  
 Synonyms: 2,4-Diethylthioxanthen-9-one

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: QINGDAOJADE NEW MATERIAL TECHNOLOGY CO.,LTD  
 Room 411, Building2, No318 Longshui Road, Licang District,  
 Qingdao, Shandong Province, China.  
 Telephone: +86 185 6133 6360  
 Fax : 4008892163-108245

Preparation Information: Product safety department

Emergency telephone number: +86 185 6133 6360

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

The substance is not classified according to the Globally Harmonized System (GHS).

### 2.2 Label elements

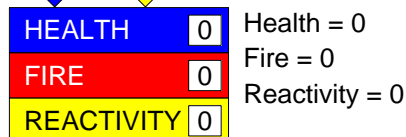
GHS label elements Not regulated  
 Hazard pictograms Not regulated  
 Signal word Not regulated  
 Hazard statements Not regulated  
 Precautionary statements Do not get in eyes, on skin, or on clothing.

### Classification system

#### NFPA ratings (scale 0 - 4)



#### HMIS-ratings (scale 0 - 4)



### 2.3 Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## 3 Composition/information on ingredients

### Chemical characterization: Substances

MF: C17H16OS

MW: 268.37

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<b>CAS-No. Description</b>	82799-44-8 2,4-Diethyl-9H-thioxanthen-9-one
<b>Identification number(s)</b>	
<b>EC number:</b>	280-041-0

## 4 First-aid measures

### 4.1 Description of first aid measures

<b>General information:</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>After inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>After skin contact:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>After eye contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>After swallowing:</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Information for doctor

<b>Most important symptoms and effects, both acute and delayed</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
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**Indication of any immediate medical attention and special treatment needed**

no data available

## 5 Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing agents:</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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**5.2 Special hazards arising from the substance or mixture**

Carbon oxides, Sulphur oxides

### 5.3 Advice for firefighters

<b>Protective equipment:</b>	Mouth respiratory protective device.
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## 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Remove persons from danger area.

**6.2 Methods and material for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**6.3 Reference to other sections**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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## 7 Handling and storage

### 7.1 Handling

**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**Information about protection against explosions and fires**

Provide appropriate exhaust ventilation at places where dust is formed.

### 7.2 Storage

**Conditions for safe storage, including any incompatibilities**

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Light sensitive. Heat sensitive.

**Storage Class (TRGS510):**

LGK 13: Non-combustible solids that cannot be assigned to any of the above storage classes

## 8 Exposure controls/personal protection

### 8.1 Control parameters

**Components with limit values that require monitoring at the workplace**

Not required.

**Additional information:**

The lists that were valid during the creation were used as basis.

### 8.2 Exposure controls

**Personal protective equipment**

**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:**

Not required.

**Protection of hands:**



Protective gloves

**Material of gloves :**

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**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.

## 9 Physical and chemical properties

**Information on basic physical and chemical properties**

**General Information**

**Appearance**

**Form:**

Solid

**Color:**

Dark yellow

**Odor:**

uncharacteristic

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<b>Odor threshold:</b>	Not determined.
<b>pH-value:</b>	Not applicable.
<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	66-70 °C (151-158 °F)
<b>Boiling point/Boiling range:</b>	Undetermined.
<b>Flash point:</b>	Not applicable.
<b>Flammability (solid, gaseous):</b>	Product is not flammable.
<b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Not determined.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapor pressure:</b>	Not applicable.
<b>Density:</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Vapor density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Not determined.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>Other information</b>	no data available

## 10 Stability and reactivity

<b>10.1 Reactivity</b>	no data available
<b>10.2 Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	No dangerous reactions known.
<b>10.4 Conditions to avoid</b>	no data available
<b>10.5 Incompatible materials</b>	Strong oxidizing agents
<b>10.6 Hazardous decomposition products</b>	No dangerous decomposition products known.

## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Primary irritant effect

<b>on the skin:</b>	No irritant effect.
<b>on the eye:</b>	No irritating effect.
<b>Sensitization:</b>	No sensitizing effects known.

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**Product name :** 2,4-Diethyl-9H-thioxanthen-9-one

**Germ cell mutagenicity :** When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.  
The substance is not subject to classification.

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)** Substance is not listed.  
**NTP (National Toxicology Program)** Substance is not listed.  
**OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.

## 12 Ecological information

### 12.1 Toxicity

**Aquatic toxicity** no data available

### 12.2 Persistence and

**degradability** no data available

### 12.3 Behavior in environmental systems

**Bioaccumulative potential :** no data available

**Mobility in soil :** no data available

### 12.4 Additional ecological information

**General notes:** no data available

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects :** no data available

## 13 Disposal considerations

**13.1 Product** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**13.2 Contaminated packaging** Dispose of as unused product.

**13.3 Recommendation** Disposal must be made according to official regulations.

## 14 Transport information

### 14.1 UN-Number

**DOT, ADR, ADN, IMDG, IATA** Not regulated

### 14.2 UN proper shipping name

**DOT, ADR, ADN, IMDG, IATA** Not regulated

### 14.3 Transport hazard class(es)

**DOT, ADR, ADN, IMDG, IATA**  
**Class** Not regulated

### 14.4 Packing group

**DOT, ADR, IMDG, IATA** Not regulated

### 14.5 Environmental hazards:

**Marine pollutant:** No

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<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	UN-, -

## 15 Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Sara

**Section 355 (extremely hazardous substances):** Substance is not listed.

**Section 313 (Specific toxic chemical listings):** Substance is not listed.

**TSCA (Toxic Substances Control Act):** Substance is listed.

#### Proposition 65

**Chemicals known to cause cancer:** Substance is not listed.

**Chemicals known to cause reproductive toxicity for females:** Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:** Substance is not listed.

**Chemicals known to cause developmental toxicity:** Substance is not listed.

#### Carcinogenic categories

**EPA (Environmental Protection Agency)** Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH)** Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)** Substance is not listed.

**GHS label elements** Not regulated

**Hazard pictograms** Not regulated

**Signal word** Not regulated

**Hazard statements** Not regulated

**Precautionary statements** Do not get in eyes, on skin, or on clothing.

### 15.2 Chemical safety

**assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

The above information is believed to be correct but does not represent any guarantee of the properties of the product, Some new information or amendments may be added afterwards. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility. Any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit