



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
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SAFETY DATA SHEET

修订日期: 2025 年 8 月 23 日

最初编制日期: 2020 年 8 月 20 日

1. IDENTIFICATION

Product name: 7-Diethylamino-3-Thenoylcoumarin

CAS No. : 77820-11-2

Brand: yuanye

Company: Shanghai yuanye Bio-Technology Co., Ltd

phone: 021-61312973

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2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

The toxicological properties of this material have not been fully investigated.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation:

May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic:

No information found.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Name: 7-Diethylamino-3-Thenoylcoumarin Material Safety Data Sheet

Synonym: 7-(Diethylamino)-3-(2-thienylcarbonyl)-2H-1-benzopyran 2-on

CAS: 77820-11-2

Section 1 - Chemical Product MSDS Name: 7-Diethylamino-3-Thenoylcoumarin
Material Safety Data Sheet

Synonym: 7-(Diethylamino)-3-(2-thienylcarbonyl)-2H-1-benzopyran 2-on

4. FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

5. FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:



Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.

Provide ventilation.

7. HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store at temperatures below the decomposition temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 77820-11-2: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.



Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder

Color: yellow

Odor: Not available.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 140 deg C

Autoignition Temperature: Not applicable.

Flash Point: 220 deg C (428.00 deg F)

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: 220 deg C

Solubility in water: insoluble

Specific Gravity/Density:

Molecular Formula: C₁₈H₁₇NO₃S

Molecular Weight: 327.39

10. STABILITY AND REACTIVITY

Chemical Stability:



Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, dust generation, excess heat.

Incompatibilities with Other Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, oxides of nitrogen, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 77820-11-2 unlisted.

LD50/LC50:

Not available.

Carcinogenicity:

7-Diethylamino-3-Thenoylcoumarin - Not listed by ACGIH, IARC, or NTP.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIO

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Shipping Name: Not regulated.



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Hazard Class:

UN Number:

Packing group:

15. REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

S 28A After contact with skin, wash immediately with plenty of water.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 77820-11-2: No information available.

Canada

None of the chemicals in this product are listed on the DSL/NDSL list.

CAS# 77820-11-2 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 77820-11-2 is not listed on the TSCA inventory.

It is for research and development use only.

16. OTHER INFORMATION

The above information is correct to the best of our present knowledge but does not purport to be all inclusive and should be used only as a guide. The product is for



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research use only and for experienced personnel. It must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The burden of safe use of this material rests entirely with the user.



源叶