

# SAFETY DATA SHEET

## Light Stabilizer 770

SUQIAN UNITECHEM CO., LTD

# SDS

• According to GHS (Ninth Revised Edition)

### Section 1 Product and Company Identification

#### > Product Identifier

Product Name	Light Stabilizer 770
Synonyms	-
CAS No.	52829-07-9
EC No.	258-207-9
Molecular Formula	C28H52N2O4

#### > Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant Identified Uses	Light Stabilizer
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#### > Details of the Supplier of the Safety Data Sheet

Applicant Name	SUQIAN UNITECHEM CO., LTD
Applicant Address	22, NANHUA RD, ECOLOGICAL CHEMICAL AND ECHNOLOGY INDUSTIAL PARK, SUQIAN, CHINA
Applicant Post Code	223800
Applicant Telephone	+86-527-80805270
Applicant Fax	+86-527-84829099
Applicant E-mail	TechSupport@china944.com
Supplier Name	SUQIAN UNITECHEM CO., LTD
Supplier Address	22, NANHUA RD, ECOLOGICAL CHEMICAL AND ECHNOLOGY INDUSTIAL PARK, SUQIAN, CHINA
Supplier Post Code	223800
Supplier Telephone	+86-527-80805270
Supplier Fax	+86-527-84829099
Supplier E-mail	TechSupport@china944.com

#### > Emergency Phone Number

Emergency Phone Number	+86-527-84836111
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### Section 2 Hazards Identification

#### > Hazard class and label elements of the product according to GHS:

##### > GHS Hazard Class

Serious eye damage/eye irritation: Cat. 1  
Reproductive toxicity, Category 2  
Hazardous to the aquatic environment - acute: Cat. 1  
Hazardous to the aquatic environment - chronic: Cat. 2

## &gt; GHS Label Elements

Pictogram



Signal Word

Danger

## &gt; Hazard Statements

H318

May cause an allergic skin reaction

H361f

Suspected of damaging fertility

H400

Very toxic to aquatic life.

H411

Toxic to aquatic life with long lasting effects

## &gt; Precautionary Statements

Prevention

P201

Obtain special instructions before use.

P273

Avoid release to the environment.

P280

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

Response

P305+P351+P338+P310

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

P308+P313

IF exposed or concerned: Get medical advice/attention

P391

Collect spillage.

Storage

No information available

Disposal

P501

Dispose of contents/container to hazardous or special waste collection point.

## &gt; Other Hazards

No information available

## Section 3 Composition/Information on Ingredients

Component	Concentration (weight percent, %)	CAS No.	EC No.
bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	>=99.0	52829-07-9	258-207-9

## Section 4 First Aid Measures

## &gt; Description of First Aid Measures

General Advice

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

Eye Contact

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

Skin Contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.

<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

> **Most Important Symptoms and Effects, both Acute and Delayed**

Not expected to present a significant hazard under anticipated conditions of normal use.  
Serious damage to eyes.

> **Indication of Any Immediate Medical Attention and Special Treatment Needed**

Treat symptomatically.

## Section 5 Fire Fighting Measures

> **Extinguishing Media**

**Suitable Extinguishing Media** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable Extinguishing Media** Do not use a heavy water stream.

> **Specific Hazards Arising from the Substance or Mixture**

On combustion forms: Carbon dioxide, Carbon monoxide, Nitrogen oxides  
Toxic fumes may be released.

> **Advice for Firefighters**

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

> **Further information**

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

## Section 6 Accidental Release Measure

> **Personal Precautions, Protective Equipment and Emergency Procedures**

Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.

**For emergency responders:**

Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".  
Ventilate area.

> **Environmental Precautions**

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

> **Methods and Materials for Containment and Cleaning Up**

Collect spillage.

Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials. Notify authorities if product enters sewers or public waters.

Dispose of materials or solid residues at an authorized site.

## Section 7 Handling and Storage

### > Precautions for Handling

Ensure good ventilation of the work station. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes.

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### > Precautions for Storage

Keep container tightly closed in a cool, well-ventilated place. Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.

## Section 8 Exposure Controls/Personal Protection

### > Control Parameters

#### Occupational Exposure Limit Values

No information available

#### Biological Limit Values

No information available

#### Monitoring Methods

No information available

Ingredient	DNELs Exposure Pattern Worker	PNECs Compartment
bis(2,2,6,6-tetra methylpiperidin-4-yl) sebacate	Inhalation 1.27mg/m <sup>3</sup> (Systemic, Chronic) Dermal 1.8mg/kg bw/day (Systemic, Chronic) Inhalation 0.31 mg/m <sup>3</sup> (Systemic, Chronic)* Dermal 0.9mg/kg bw/day (Systemic, Chronic)* Oral 0.18 mg/kg bw/day (Systemic, Chronic)*	0.004 mg/L(Water (Fresh)) 0.007 mg/L (Water - Intermittent release) 0.38µg/L (Water (Marine)) 1 mg/L (STP) 5.9 mg/kg sediment dw (Sediment (Fresh Water)) 0.59 mg/kg sediment dw (Marine) 1.18 mg/kg soil dw (Soil)

Values for General Population

### > Engineering Controls

Ensure good ventilation of the work station.

### > Personal Protection Equipment

#### Eye Protection

Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).

#### Hand Protection

Wear protective gloves ( such as butyl rubber ) , passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.

#### Respiratory protection

Wear dust mask when handling large quantities.

#### Skin and Body

Body protection must be chosen based on level of activity and exposure.

**Protection  
Control of  
environmental  
exposure**

Avoid release to the environment.

## Section 9 Physical and Chemical Properties

**Appearance:** White powder or granules**Odor Threshold:** No information available**Melting Point/Freezing Point(°C) :** 82-85**Flash Point(°C) (Closed Cup):** >150**Flammability:** Not highly flammable**Vapor Pressure:** No information available**Relative Density (Water=1):** 1.05 g/cm<sup>3</sup> (20 °C)**n-Octanol/Water partition Coefficient:** No information available**Decomposition Temperature( °C ):** No information available**Particle characteristics:** No information available**Odor:** No information available**pH:** No information available**Initial Boiling Point and Boiling Range( °C ):** No information available**Evaporation Rate:** No information available**Upper/lower explosive limits[%(v/v)]:** Upper limit: No information available; Lower limit: No information available**Relative Vapour Density (Air=1):** No information available**Solubility in water:** No information available**Auto-Ignition Temperature(°C):** 320**Kinematic Viscosity(mm<sup>2</sup>/s):** No information available

## Section 10 Stability and Reactivity

**Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

**Chemical Stability**

The product is stable at normal handling and storage conditions.

**Possibility of  
Hazardous Reactions**

No dangerous reactions known under normal conditions of use. Hazardous polymerization will not occur.

**Conditions to Avoid**

Avoid dust formation. Avoid deposition of dust.

Avoid all sources of ignition: heat, sparks, open flame.

Avoid electro-static charge.

**Incompatible  
Materials**

strong acids, strong bases, strong oxidizing agents

**Hazardous  
Decomposition  
products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11 Toxicological Information

### > Acute Toxicity

LD50 rat (oral): 3700 mg/kg

LC50 rat (by inhalation): 500 mg/m<sup>3</sup> route: aerosol

LD50 rat (dermal): &gt; 3170 mg/kg

### > Skin Corrosion/Irritation

Not classified (Based on available data, the classification criteria are not met)

EPA OPP 81-5 (Acute Dermal Irritation)

### > Serious Eye Damage/Irritation

Causes serious eye damage. (OECD 405). Rabbit.

### > Respiratory Sensitization

Not classified (Based on available data, the classification criteria are not met) (OECD 406). Not sensitising.

### > Germ Cell Mutagenicity

Not classified (Based on available data, the classification criteria are not met)

### > Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	52829-07-9	bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	Not listed	Not Listed

### > Reproductive Toxicity

Suspected of damaging fertility.

(OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study))

### > Reproductive Toxicity (Additional)

No information Available

### > STOT-Single Exposure

Not classified (Based on available data, the classification criteria are not met)

### > STOT-Repeated Exposure

Not classified (Based on available data, the classification criteria are not met)

### > Aspiration Hazard

Not classified (Based on available data, the classification criteria are not met)

## Section 12 Ecological Information

### > Toxicity

#### Toxicity to fish:

LC50 (96 h) 4.4 mg/l

#### Aquatic invertebrates:

EC50 (48 h) 8.58 mg/l

#### Aquatic plants:

EC50 (72 h) 0.705 mg/l

#### NOEC - Invertebrates:

4 mg/L 48h

### > Others

#### Persistence and Degradability

Not readily biodegradable

#### Bioaccumulative

No expected accumulation by QSAR predictions

<b>potential</b>	
<b>Mobility in soil</b>	No information available
<b>Results of PBT and vPvB assessment</b>	The substance is not PBT/ vPvB
<b>Additional information</b>	Avoid release to the environment.

### Section 13 Disposal Considerations

<b>Waste Chemicals</b>	Dispose of contents/container in accordance with licensed collector's sorting instructions.
<b>Contaminated Packaging</b>	Dispose in a safe manner in accordance with local/national regulations.

### Section 14 Transport Information

#### Transporting Label



<b>UN Number</b>	3077
<b>UN Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<b>Transport Hazard Class</b>	9,EHSM
<b>Transport Subsidiary Hazard Class</b>	None
<b>Packing Group</b>	III
<b>Marine pollutant</b>	yes
<b>Further information</b>	Due to different requirements of different countries, the product can also be set as UN 2811, Transport Hazard Class 6.1, Packing Group II, the correct transport name is TOXIC SOLID, ORGANIC, N.O.S..

### Section 15 Regulatory information

#### > International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Light Stabilizer 770	✓	✓	✓	✓	✓	✓	✓	✓	✓

<b>【EINECS】</b>	European Inventory of Existing Commercial Chemical
<b>【TSCA】</b>	United States Toxic Substances Control Act Inventory
<b>【DSL】</b>	Canadian Domestic Substances List.
<b>【IECSC】</b>	China Inventory of Existing Chemical
<b>【NZIoC】</b>	New Zealand Inventory of Chemicals.
<b>【PICCS】</b>	Philippines Inventory of Chemical Substances
<b>【KECI】</b>	Existing and Evaluated Chemical Substances.
<b>【AICS】</b>	Australia Inventory of Chemical Substances.
<b>【ENCS】</b>	Existing and Evaluated Chemical Substances.

#### Note

“✓” Indicates that the substance included in the regulations

“×” That no data or included in the regulations

### Section 16 Additional Information

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<b>Creation Date</b>	2018/1/6
<b>Revision Date</b>	2023/4/1
<b>Reason for Revision</b>	-

**> Disclaimer**

This Safety Data Sheet (SDS) was prepared according to UN GHS. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purpose. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.