



## QINGDAO SANHUAN COLORCHEM CO., LTD.

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# MSDS Of Light Stabilizer 292

## Part 1 Content and company identification

Name: Light Stabilizer 292

Trade name: LS292

Company: Qingdao Sanhuan Colorchem Co., Ltd

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**Email:** michael@cncolorchem.com

Effective date :2020-09-30

**Product name** Light Stabilizer 292

**Hazardous Material**

The active substance is a mixture of bis  
(1,2,2,6,6-pentamethyl-4-piperdimyl)-sebacate and  
1-(Methyl)-8-(1,2,2,6,6-pentamethyl-4-piperidinyl)-sebacate  
CAS Number 41556-26-7 82919-37-7

## Part 3 Hazard identification

Hazards of environment

Path of invasion inhalation , ingestion and skin contact

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Part 4 First aid measure

**Skin contact**

Use large amount of water and soap to wash the contaminated section. Send to hospital for timely further treatment on cases where there is rash.

**Eye contact**

Use large amount of water to wash for 15 minutes. Give medical treatment if there is irritation.

#### Inhalation

Make sure the patient's nose is open. Move the patient to where there is fresh air. If the patient has difficulty breathing. Feed oxygen. If stopped breathing, give artificial respiration, and send to hospital immediately.

Swallowed: Feed 2-3 cups of water, and insert fingers to the throat to make the patient to vomit. This should be done with doctor's instruction. Do not feed anything else to patients who are in coma.

## Part 5 Fire-fighting measures

#### Dangerous property

Explosion risk. Risk of explosion if an air-dust mixture forms.

#### Hazardous decomposition products

Oxides of carbon, Oxides of nitrogen (NOX), Toxic gases/ vapours.

#### Suitable extinguishing media

Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Dry powder.

#### Notices and measures

Contaminated water from fine hoses or sprinklers etc, must be prevented from draining into watercourses, sewers, or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil must be disposed of in conformity with local regulations.

Special protective equipment for firefighters: Wear full protective clothing. Wear self-contained breathing apparatus.

Extinguishing media which must not be used for safety reasons is high volume water jet.

## Part 6 Accidental release measures

#### Accidental measures

Shut off all sources of ignition.

Personal precautions: Do not breathe vapours/ dust. Avoid contact with skin, eyes and clothing.

Environmental precautions: Do not flush into surface water, sanitary sewer or ground water system.



#### Methods for cleaning up

Use mechanical handling equipment. Collect the spilled product into suitable containers, which must be tightly sealed and properly labelled. Avoid dust formation

## Part 7 Handling and storage

#### Operation Precautions:

Before this chemical is packed or used, the workers should wear functional dust masks, and special protective uniforms(long pants and long sleeve shirts), chemical anti-erosion gloves. Keep the work place well ventilated, free of dust, live fire, or sparkles. Change clothes after work.

#### Storage Precautions:

This chemical should be stored in ventilated, and cool chemical warehouses. Keep the packing intact so that it will not be contaminated by dust or decomposed by humidity.

## Part 8 Exposure controls and personal protection

#### Exposure limit(s)

No limit of china (MAC)

The value of internal exposure limit is 10 mg/m<sup>3</sup> which is 8 hours' time weighted average.

#### Monitoring methods

Exposure limit(s) should be monitored using suitable analytical equipments.

#### Respiratory protection

Effective dust mask

#### Eye protection

Suitable goggles or face protection

#### Body protection

Working clothes, Closed footwear

#### Hand protection

Protective gloves

## Part 9 Physical and chemical properties



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Appearance	Colorless transparent liquid
Content	>98%
Melting point	220-222 0C
water	≤ 0.15
Ash Content	<0.1%
Transmittance	425nm>95% 550nm>98%

### Part 10 Stability and reactivity

Decomposition temperature	>350°C
Conditions to avoid	Static discharges
Materials to avoid	Strong acids, strong bases and strong oxidising agents
Decomposition products	Oxides of carbon, oxides of nitrogent (NOX), Toxic gases/ vapors.

### Part 11 Toxicological information

Acute oral toxicity Rat	LD50 >2000 mg/ kg
Acute dermal irritation/corrosion Rabbit	not irritant
Acute eye irritation/corrosion Rabbit	not irritant
Acute skin sensitisation Guinea pig	not sensitizing

### Part 12. Ecological information

Acute toxicity to fish Zebra fish (Brachydanio rerio) 96 h	LC50 >100 mg/l
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Acute toxicity to daphnia Daphnia magna 24 h	EC50 25 mg/l
Acute toxicity to bacteria Sewage sludge 3 h	IC50 >100 mg/l
Acute toxicity to algae Scenedesmus sp. 72 h	EC50 >100 mg/l
Biodegradability	Not biodegradable

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### 13. Disposal considerations

#### Measures of waste disposal

Waste from residues or unused products should be disposed by incineration or by other modes of disposal in compliance with local legislation.

#### Notice of waste disposal

Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

### 14. Transport information

Dangerous goods number :	Free
UN number :	Free
Packaging marking :	Free
Packaging sort :	III
Packaging method :	plastic lined paper barrel
Transport notice :	noisture provention, rain provention

### 15. Regulatory information

《Statutes for dangerous goods of chemical safety management》

(which is released by state Department On Feb 17 , 1987)

### 16. Other information



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The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations

Qingdao Sanhuan Colorchem Co., Ltd

2014-10-01

