

**SAFETY DATA SHEET****Light Stabilizer 2020**

SUQIAN UNITECHEM CO., LTD

**SDS**

• According to GHS (Eighth Revised Edition)

**Section 1 Product and Company Identification****> Product Identifier**

Product Name	Light Stabilizer 2020
Synonyms	-
CAS No.	192268-64-7
EC No.	-
Molecular Formula	-

**> 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
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**> 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**

No need for classification according to GHS criteria for this product.

**> GHS Label Elements**

Pictogram	The product does not require a hazard warning label in accordance with GHS criteria.
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**Signal Word** No information available

### > Hazard Statements

The product is under certain conditions capable of dust explosion.

## Section 3 Composition/Information on Ingredients

Component	Concentration (weight percent, %)	CAS No.	EC No.
N,N'-Bis(2,2,6,6-tetramethyl-4-piperidiny)-1,6-hexanediamine polymer with 2,4,6-trichloro-1,3,5-triazine reaction products with N-butyl-1-butanamine and N-butyl-2,2,6,6-tetramethyl-4-piperidinamine	<=100	192268-64-7	-

## Section 4 First Aid Measures

### > Description of First Aid Measures

<b>General Advice</b>	Remove contaminated clothing.
<b>Eye Contact</b>	Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.
<b>Skin Contact</b>	Wash thoroughly with soap and water.
<b>Ingestion</b>	Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Immediate medical attention required.
<b>Inhalation</b>	Keep patient calm, remove to fresh air, seek medical attention.

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

The most important known symptoms and effects are described in the labelling (see section 2) and/or section 11.

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## Section 5 Fire Fighting Measures

### > Extinguishing Media

<b>Suitable Extinguishing Media</b>	dry powder, foam
<b>Unsuitable extinguishing media</b>	carbon dioxide
<b>Additional information</b>	Avoid whirling up the material/product because of the danger of dust explosion.

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

harmful vapours  
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### > Advice for Firefighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**> 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.  
Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

## Section 6 Accidental Release Measure

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

Avoid dust formation. Use personal protective clothing.

**> Environmental Precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

Avoid raising dust.

## Section 7 Handling and Storage

**> Precautions for Handling**

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

Dust explosion class: Dust explosion class 2 (Kst-value 200 up to 300 bar m s<sup>-1</sup>).

**> Precautions for Storage**

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

## 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

**> Engineering Controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**> Personal Protection Equipment**

**Eye/Face Protection** Safety glasses with side-shields.

<b>Respiratory protection</b>	Respiratory protection may not be required under normal operating conditions if adequate ventilation is provided.
<b>Hand Protection</b>	Wear chemical resistant protective gloves.
<b>Body Protection</b>	Body protection must be chosen based on level of activity and exposure.
<b>Control of environmental exposure</b>	Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Handle in accordance with good industrial hygiene and safety practice

## Section 9 Physical and Chemical Properties

<b>Appearance:</b> White to light-yellow solid	<b>Odor:</b> odorless
<b>Odor Threshold:</b> No information available	<b>pH:</b> No information available
<b>Melting Point/Freezing Point(°C) :</b> 110 - 135	<b>Initial Boiling Point and Boiling Range( °C ):</b> No information available
<b>Flash Point( °C ) (Closed Cup):</b> No information available	<b>Evaporation Rate:</b> No information available
<b>Flammability:</b> Not flammable	<b>Upper/lower explosive limits[% (v/v)]:</b> Upper limit: No information available; Lower limit: No information available
<b>Vapor Pressure:</b> No information available	<b>Relative Vapour Density (Air=1):</b> No information available
<b>Relative Density (Water=1):</b> No information available	<b>Solubility in water:</b> <0.5 mg/l (20°C)
<b>n-Octanol/Water partition Coefficient:</b> log Kow:>10	<b>Auto-Ignition Temperature(°C):</b> 380
<b>Decomposition Temperature(°C):</b> >300	<b>Kinematic Viscosity(mm<sup>2</sup>/s):</b> No information available
<b>Particle characteristics:</b> No information available	

## Section 10 Stability and Reactivity

<b>Reactivity</b>	No hazardous reactions if stored and handled as prescribed/indicated.
<b>Chemical Stability</b>	The product is stable if stored and handled as prescribed/indicated.
<b>Possibility of Hazardous Reactions</b>	In spite of the dedusting carried out for reasons of industrial health the product resp. the fine dust of the product is capable of dust explosion.
<b>Conditions to Avoid</b>	Avoid dust formation. Avoid deposition of dust. Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge.
<b>Incompatible Materials</b>	strong acids, strong bases, strong oxidizing agents
<b>Hazardous Decomposition products</b>	No hazardous decomposition products if stored and handled as prescribed/indicated.

## Section 11 Toxicological Information

### > Acute Toxicity

LD50 rat (oral): > 2.000 mg/kg (OECD Guideline 401)

### > Skin Corrosion/Irritation

Not irritating to the skin.

### > Serious Eye Damage/Irritation

Serious eye damage/irritation rabbit: non-irritant (OECD Guideline 405)

**> Respiratory Sensitization**

Assessment of sensitization: Based on available Data, the classification criteria are not met.

Species: guinea pig

Result: Non-sensitizing.

Method: OECD Guideline 406

**> Germ Cell Mutagenicity**

No information available

**> Carcinogenicity**

ID	CAS No.	Component	IARC	NTP
1	192268-64-7	N,N'-Bis(2,2,6,6-tetramethyl-4-piperidiny)-1,6-hexanediamine polymer with 2,4,6-trichloro-1,3,5-triazine reaction products with N-butyl-1-butanamine and N-butyl-2,2,6,6-tetramethyl-4-piperidinamine	Not listed	Not Listed

**> Reproductive Toxicity**

Assessment of repeated dose toxicity: Prolonged and repeated exposure may cause effects on the liver. Observed effects were reversible.

**> Reproductive Toxicity (Additional)**

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

**> STOT-Single Exposure**

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

**> STOT-Repeated Exposure**

No information available

**> Aspiration Hazard**

No aspiration hazard expected.

## Section 12 Ecological Information

**> Toxicity****Aquatic toxicity**

Assessment of aquatic toxicity:

May cause long-term adverse effects in the aquatic environment.

**Toxicity to fish**

LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 92/69/EEC, C.1)  
(based on loading rate)

**Aquatic invertebrates**

EC50 (24 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1)

## &gt; Others

**Persistence and Degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O)  
The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

**Bioaccumulative potential**

Elimination information  
Not readily biodegradable (by OECD criteria).

**Mobility in soil**

Assessment transport between environmental compartments  
The substance will not evaporate into the atmosphere from the water surface.  
Adsorption to solid soil phase is expected.

**Results of PBT and vPvB assessment**

No information available

**Additional information**

Other ecotoxicological advice:  
Do not discharge product into the environment without control.

### Section 13 Disposal Considerations

**Waste Chemicals**

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

**Contaminated Packaging**

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

### Section 14 Transport Information

**Transporting Label**

No information Available

**UN Number**

ADR/RID:- AND/IMDG:- IATA/ICAO: -

**UN Proper Shipping Name**

Not classified as a dangerous good under transport regulations

**Transport Hazard Class**

ADR/RID:- AND/IMDG: - IATA/ICAO: -

**Transport Subsidiary Hazard Class**

None

**Packing Group**

ADR/RID: - AND/IMDG: - IATA/ICAO: -

**Environmental hazards**

ADR/RID: - AND/IMDG: - IATA/ICAO: -

**Marine pollutant**

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**Special precautions for user**

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### Section 15 Regulatory information

## &gt; International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Light Stabilizer 2020	x	✓	✓	✓	✓	x	x	✓	✓

【EINECS】 European Inventory of Existing Commercial Chemical

【TSCA】 United States Toxic Substances Control Act Inventory

【DSL】 Canadian Domestic Substances List.

【IECSC】 China Inventory of Existing Chemical

【NZIoC】 New Zealand Inventory of Chemicals.

【PICCS】 Philippines Inventory of Chemical Substances

【KECI】 Existing and Evaluated Chemical Substances.

【AICS】 Australia Inventory of Chemical Substances.

【ENCS】 Existing and Evaluated Chemical Substances.

Note

“√” Indicates that the substance included in the regulations

“x” That no data or included in the regulations

## Section 16 Additional Information

**Creation Date** 2018/1/6

**Revision Date** 2019/9/6

**Reason for Revision** -

### > Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 7th revised edition). 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 handing, storage, use or disposal of the product.