

SAFETY DATA SHEET**Light Stabilizer 610**

SUQIAN UNITECHEM CO., LTD

SDS

• According to GHS (Seventh Revised Edition)

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

Product Name	Light Stabilizer 610
Synonyms	-
CAS No.	-
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
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**

Sensitization – Skin	Category 1
Hazardous To The Aquatic Environment – Long-Term	Category 2

(Chronic) Hazard**> GHS Label Elements****Pictogram****Signal Word**

Warning

> Hazard Statements**H317**

May cause an allergic skin reaction

H411

Toxic to aquatic life with long lasting effects

> Precautionary Statements**Prevention****P261**

Avoid breathing dust/fume/gas/mist/vapours/spray.

P272

Contaminated work clothing should not be allowed out of the workplace.

P273

Avoid release to the environment.

P280

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

Response**P391**

Collect spillage.

P302+P352

IF ON SKIN: Wash with plenty of water.

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P362+P364

Take off contaminated clothing and wash it before reuse.

Storage

Not applicable

Disposal**P501**

Dispose of contents/container in accordance with local/regional/national/international regulations.

> Other Hazards

No information available

Section 3 Composition/Information on Ingredients

Component	Concentration (weight percent, %)	CAS No.	EC No.
N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	Commercial secrets	106990-43-6	401-990-0
Poly (4-hydroxy-2,2,6,6-tetramethyl-1-piperidine ethanol-alt-1,4-butanedioic acid)	Commercial secrets	65447-77-0	-

Section 4 First Aid Measures

> Description of First Aid Measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

> 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

No information available

Section 5 Fire Fighting Measures

> Extinguishing Media

Suitable Extinguishing Media	Dry chemical, carbon dioxide or alcohol-resistant foam.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter or spread fire.

> Specific Hazards Arising from the Substance or Mixture

- 1 Containers may explode when heated.
- 2 Fire exposed containers may vent contents through pressure relief valves
- 3 May expansion or decompose explosively when heated or involved in fire.

> Advice for Firefighters

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

> Further information

No information available

Section 6 Accidental Release Measure

> Personal Precautions, Protective Equipment and Emergency Procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition.
- 2 Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.
- 3 Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

> Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

> Methods and Materials for Containment and Cleaning Up

- 1 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 2 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- 3 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

Section 7 Handling and Storage

> Precautions for Handling

- 1 Handling is performed in a well ventilated place.
- 2 Wear suitable protective equipment.
- 3 Avoid contact with skin and eyes.
- 4 Keep away from heat/sparks/open flames/ hot surfaces.
- 5 Take precautionary measures against static discharges.

> Precautions for Storage

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/ hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

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 Protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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 Protection	Body	Wear fire/flammable resistant/retardant clothing and antistatic boots.
Control of environmental exposure		No information available

Section 9 Physical and Chemical Properties

Appearance: White to light-yellow solid	Odor: No information available
Odor Threshold: No information available	pH: No information available
Melting Point/Freezing Point(°C) : No information available	Initial Boiling Point and Boiling Range(°C): No information available
Flash Point(°C) (Closed Cup): No information available	Evaporation Rate: No information available
Flammability: No information available	Upper/lower explosive limits[% (v/v)]: Upper limit: No information available; Lower limit: No information available
Vapor Pressure: No information available	Relative Vapour Density (Air=1): No information available
Relative Density (Water=1): No information available	Solubility in water: No information available
n-Octanol/Water partition Coefficient: No information available	Auto-Ignition Temperature(°C): No information available
Decomposition Temperature(°C): No information available	Kinematic Viscosity(mm²/s): No information available
Particle characteristics: No information available	

Section 10 Stability and Reactivity

Reactivity	No information available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	No information Available
Conditions to Avoid	Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.
Incompatible Materials	Incompatible with strong acids and oxidizing agents
Hazardous Decomposition products	No information available

Section 11 Toxicological Information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

> Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS No.	Component	Effect	Target Organ
106990-43-6	N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	none	none

65447-77-0	Poly (4-hydroxy-2,2,6,6-tetramethyl-1-pi peridine ethanol-alt-1,4-butanedioic acid)	none	none
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LC50 / LD50

This product contains the following components which, in their pure form, have the following toxicity data:

CAS No.	Component	LD ₅₀ (Oral)	LD ₅₀ (Dermal)	LC ₅₀ (Inhalation, 4h)
106990-43-6	N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	No information
65447-77-0	Poly (4-hydroxy-2,2,6,6-tetramethyl-1-pi peridine ethanol-alt-1,4-butanedioic acid)	> 5000 mg/kg (Rat)	No information	> 1,100 mg/m ³ (Rat)

> Germ Cell Mutagenicity

No information Available

> Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	106990-43-6	N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	Not listed	Not Listed
2	65447-77-0	Poly (4-hydroxy-2,2,6,6-tetramethyl-1-pi peridine ethanol-alt-1,4-butanedioic acid)	Not listed	Not Listed

> Reproductive Toxicity

No information Available

> Reproductive Toxicity (Additional)

No information Available

> STOT-Single Exposure

No information Available

> STOT-Repeated Exposure

No information Available

> Aspiration Hazard

RTECS: No information Available

Section 12 Ecological Information

>Acute Aquatic Toxicity

CAS No.	Component	Fish	Crustaceans	Algae
106990-43-6	N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	LC 50: > 100mg/L (96h)(Fish)	EC 50: 100mg/L (24h)	ErC 50: 5.7mg/L (72h)
65447-77-0	Poly (4-hydroxy-2,2,6,6-tetramethyl-1-pi peridine ethanol-alt-1,4-butanedioic acid)	LC 50: > 100mg/L (96h)(Fish)	EC 50: > 25mg/L (24h)	ErC 50: >100mg/L (72h)

> Others

Persistence and Degradability

No information Available

Bioaccumulative potential

No information Available

Mobility in soil

No information Available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Additional information

No information available

Section 13 Disposal Considerations

Waste Chemicals

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated Packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

Section 14 Transport Information

Transporting Label



UN Number

3077

UN Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.

Transport Hazard Class

9

Transport Subsidiary Hazard Class

None

Packing Group

III

Marine pollutant

yes

Section 15 Regulatory information

> International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	×	✓	✓	✓	✓	✓	✓	✓	✓
Poly (4-hydroxy-2,2,6,6-tetramethyl-1-pi peridine ethanol-alt-1,4-butanedioic acid)	×	✓	✓	✓	✓	✓	✓	✓	✓

【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

“×” That no data or included in the regulations

Section 16 Additional Information

Creation Date 2018/1/6

Revision Date 2020/9/6

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 handling, storage, use or disposal of the product.