

SAFETY DATA SHEET**Ultraviolet Absorber 1577**

SUQIAN UNITECHEM CO., LTD

SDS

• According to GHS (Ninth Revised Edition)

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

Product Name	Ultraviolet Absorber 1577
Synonyms	-
CAS No.	147315-50-2
EC No.	411-380-6
Molecular Formula	C ₂₇ H ₂₇ N ₃ O ₂

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

Relevant Identified Uses	Laboratory chemicals, Manufacture of substances
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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
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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**

Hazardous to the aquatic environment	Chronic Hazard, Category 4, H413
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> GHS Label Elements

Pictogram No information available

Signal Word No information available

> Hazard Statements

H413 May cause long lasting harmful effects to aquatic life.

> Precautionary Statements

Prevention

P273 Avoid release to the environment.

Response

No information available

Storage

No information available

Disposal

P501 Dispose of contents/container to hazardous or special waste collection point.

Section 3 Composition/Information on Ingredients

Component	Concentration (weight percent, %)	CAS No.	EC No.
2-(4,6-Diphenyl-1,3, 5-triazin-2-yl)-5-[(hexyl)oxy]- phenol	>=99.0	147315-50-2	411-380-6

Section 4 First Aid Measures

> Description of First Aid Measures

General Advice Remove contaminated clothing.

Eye Contact Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If irritation develops, seek medical attention.

Skin Contact Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

Ingestion Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Inhalation If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

Protecting of First-aiders Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

> 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

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

Section 5 Fire Fighting Measures

> Extinguishing Media

Suitable Extinguishing Media Use dry powder, foam

**Unsuitable
extinguishing media
for safety reasons
Additional
information**

Do not use a heavy water stream.

Avoid whirling up the material/product because of the danger of dust explosion.

> Specific Hazards Arising from the Substance or Mixture

On combustion forms: carbon dioxide, carbon monoxide Nitrogen Oxides, harmful vapours.
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

> 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

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.

Ventilate spillage area. Evacuate unnecessary personnel.

> Environmental Precautions

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

> Methods and Materials for Containment and Cleaning Up

Nonsparking tools should be used.

Section 7 Handling and Storage

> Precautions for Handling

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Closed containers should only be opened in well-ventilated areas. Avoid dust formation. Do not use any sparking tools.

Protection against fire and explosion:

Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

> Precautions for Storage

Keep container tightly closed and dry; store in a cool place.

The packed product is not damaged by low temperatures or by frost.

The packed product will not be damaged by high temperatures.

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.
Respiratory protection	Breathing protection if breathable aerosols/dust are formed. Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134).
Hand Protection	Wear chemical resistant protective gloves.
Body Protection	Body protection must be chosen based on level of activity and exposure.
General safety and hygiene measures	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

Appearance: Light yellow powder	Odor: No information available
Odor Threshold: No information available	pH: No information available
Melting Point/Freezing Point(°C) : 147 - 151	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 (Mpa): No information available	Relative Vapour Density (Air=1): No information available
Relative Density (Water=1): No information available	Solubility: 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 hazardous reactions if stored and handled as prescribed/indicated.
Chemical Stability	The product is stable if stored and handled as prescribed/indicated.
Possibility of Hazardous Reactions	Dust explosion hazard.

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	Decomposition products: Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated. Thermal decomposition: 226 - 371 °C (DSC (OECD 113)) 240 - 500 °C (dynamic (Lütolf oven)) > 350 °C (VDI 2263, sheet 1, 1.4.1)

Section 11 Toxicological Information

> Acute Toxicity

LD50 Oral – Rat - male and female - > 2,000 mg/kg (OECD Test Guideline 401)

> Skin Corrosion/Irritation

Skin - Rabbit(2-(4,6-Diphenyl-1,3,5-triazin-2-yl)-5-((hexyl)oxy)-phenol)
Result: No skin irritation
(OECD Test Guideline 404)

> Serious Eye Damage/Irritation

Eyes – Rabbit (2-(4,6-Diphenyl-1,3,5-triazin-2-yl)-5-((hexyl)oxy)-phenol)
Result: No eye irritation
(OECD Test Guideline 405)

> Respiratory Sensitization

Maximisation Test - Guinea pig(2-(4,6-Diphenyl-1,3,5-triazin-2-yl)-5-((hexyl)oxy)-phenol)
Did not cause sensitisation on laboratory animals.
(OECD Test Guideline 406)

> Germ Cell Mutagenicity

in vitro assay(2-(4,6-Diphenyl-1,3,5-triazin-2-yl)-5-((hexyl)oxy)-phenol)
fibroblast
Result: negative

> Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	147315-50-2	2-(4,6-Diphenyl-1,3, 5-triazin-2-yl)-5- [(hexyl)oxy]- phenol	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

No information available

Section 12 Ecological Information**> Toxicity**

EC50 - aquatic invertebrates [96h] > 100 mg/L
 OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
 EC50 - aquatic algae and cyanobacteria – [72h] >74.5 mg/L
 OECD Guideline 201 (Alga, Growth Inhibition Test)
 NOEC – aquatic invertebrates – [48h] >=11.2 mg/L
 OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

> Others

Persistence and Degradability	Not readily biodegradable
Bioaccumulative potential	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Mobility in Soil	Not significantly accumulate in organisms
Results of PBT and vPvB Assessment	Log Koc >5.6
	The substance is not PBT or vPvB

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.

Section 14 Transport Information

Transporting Label	Not applicable
UN Number	-
UN Proper Shipping Name	Not classified as a dangerous good under transport regulations
Transport Hazard Class	None
Transport Subsidiary Hazard Class	None
Packing Group	-

Section 15 Regulatory information

> International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Ultraviolet Absorber 1577	✓	✓	✓	✓	✓	✗	✓	✓	✓

【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 2022/4/17
Reason for Revision -

> 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.