

SAFETY DATA SHEET**Ultraviolet Absorber 234**

SUQIAN UNITECHEM CO., LTD

SDS

• According to GHS (Seventh Revised Edition)

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

Product Name	Ultraviolet Absorber 234
Synonyms	-
CAS No.	70321-86-7
EC No.	274-570-6
Molecular Formula	C ₃₀ H ₂₉ N ₃ O

> 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
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**

Combustible Dust

> GHS Label Elements

Pictogram	No information available
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Signal Word Warning

> Hazard Statements

May form combustible dust concentration in air.

> Hazards not otherwise classified

The product is under certain conditions capable of dust explosion.

Section 3 Composition/Information on Ingredients

Component	Concentration (weight percent, %)	CAS No.	EC No.
2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl) phenol	>=99.0	70321-86-7	274-570-6

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	If swallowed, drink plenty of water. Do not induce vomiting. Consult a physician.
Inhalation	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

No information available

Section 5 Fire Fighting Measures

> Extinguishing Media

Suitable Extinguishing Media	dry powder, foam
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> Specific Hazards Arising from the Substance or Mixture

Hazards during fire-fighting:
harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

> Advice for Firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

> 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.

> 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.

> Precautions for Storage

No applicable information available.

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	Respiratory protection may not be required under normal operating conditions if adequate ventilation is provided.
Hand Protection	Wear chemical resistant protective gloves.
Body Protection	Body protection must be chosen based on level of activity and exposure.
Control of environmental exposure	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) : 137 - 141	Initial Boiling Point and Boiling Range(°C): No information available
Flash Point(°C) (Closed Cup): > 150	Evaporation Rate: No information available
Flammability: not highly flammable	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 hazardous reactions if stored and handled as prescribed/indicated.
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	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.
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: > 350 °C

Section 11 Toxicological Information

> Acute Toxicity

LD50 Oral - Rat - 7.750 mg/kg
LD50 Dermal - Rat - >2.000 mg/kg

> Skin Corrosion/Irritation

No information available

> Serious Eye Damage/Irritation

Eyes – Rabbit
Result: Mild eye irritation - 24 h

> Respiratory Sensitization

No information available

> Germ Cell Mutagenicity

No information available

> Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	70321-86-7	2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl) 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

RTECS: No information available

Section 12 Ecological Information

> Toxicity**Assessment of aquatic toxicity:**

There is a high probability that the product is not acutely harmful to aquatic organisms. Based on long-term (chronic) toxicity study data, the product is very likely not harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish

LC50 (96 h) > 67 mg/l, Brachydanio rerio (OECD Guideline 203)

Aquatic invertebrates

EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1)

Aquatic plants

EC50 (72 h) > 100 mg/l, Scenedesmus subspicatus (Screening test)

> Others**Persistence and Degradability**

Not readily biodegradable

Bioaccumulative potential

Accumulation in organisms is not to be expected

Mobility in Soil

The substance will not evaporate into the atmosphere from the water surface.

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 Not applicable

UN Number ADR/RID: - IMDG: - IATA: -

UN Proper Shipping Name Not classified as a dangerous good under transport regulations

Transport Hazard Class ADR/RID: - IMDG: - IATA: -

Transport Subsidiary Hazard Class None

Packing Group ADR/RID: - IMDG: - IATA: -

Environmental hazards ADR/RID: no IMDG: no IATA: no

Section 15 Regulatory information

> International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Ultraviolet Absorber 234	✓	✓	✓	✓	✓	✓	✓	✓	✓

【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

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