SAFETY DATA SHEET

Ultraviolet Absorber 531

SUQIAN UNITECHEM CO., LTD

· According to GHS (Eighth Revised Edition)

SDS

Section 1 Product and Company Identification

> Product Identifier

Product Name	Ultraviolet Absorber 531
Synonyms	-
CAS No.	1843-05-6
EC No.	217-421-2
Molecular Formula	$C_{21}H_{26}O_3$

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

Relevant Identified Uses	Please consult manufacturer.
Uses Advised Against	Please consult manufacturer.

> 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

Section 2 Hazards Identification

> Hazard class and label elements of the product according to GHS:

> GHS Hazard Class

H317	Skin sensitisation (Category 1)

> GHS Label Elements

Pictogram

Signal Word Warning

> Hazard Statements

H317 May cause an allergic skin reaction.

> Precautionary Statements

Prevention

P280 Wear protective gloves.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

Response

P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.

P333 + P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal

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

Other hazards 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-Hydroxy-4-(octyloxy)benzophenone	>=99.0	1843-05-6	217-421-2

Section 4 First Aid Measures

> Description of First Aid Measures

General Advice Immediately remove contaminated clothing.

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

Skin Contact Wash thoroughly with soap and water.

Ingestion Rinse mouth immediately and then drink plenty of water, seek medical attention.

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 in 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

Suitable Extinguishing Media	Use dry powder, foam
Unsuitable Extinguishing Media	carbon dioxide

> 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

Wear self-contained breathing apparatus for firefighting if necessary.

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

1. For small amounts: Pick up with suitable appliance and dispose of.
2. For large amounts: Contain with dust binding material and dispose of.
3. Avoid raising dust.

Section 7 Handling and Storage

> Precautions for Handling

1. Breathing must be protected when large quantities are decanted without local exhaust ventilation.
   Avoid dust formation. Take precautionary measures against static discharges.
2. Dust explosion class: Dust explosion class 2 (Kst-value 200 up to 300 bar m s-1).
   Dust explosion class 2 (Kst-value 200 up to 300 bar m s-1).

> Precautions for Storage

1. Keep container tightly closed and dry; store in a cool place.
2. Storage temperature: < 35 °C

> Specific end use(s)

See exposure scenario(s) in the attachment to this safety data sheet.

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. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Handle in accordance with good industrial hygiene and safety practice.

> Personal Protection Equipment

Eye Protection	Safety glasses with side-shields (frame goggles) (e.g. EN 166)
Hand Protection	Chemical resistant protective gloves (EN 374) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.
Body Protection	Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).
Respiratory protection	Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)
Control of environmental exposure	Do not let product enter drains.

Section 9 Physical and Chemical Properties

Appearance: Yellow powder

Odor Threshold: No information available

Melting Point/Freezing Point(℃) ： 47-50 - lit

Flash Point(℃) (Closed Cup): > 200

Flammability: not highly flammable

Vapor Pressure (Mpa): No information available

Relative Density (Water=1): 1.16 g/cm^3 at 25℃

n-Octanol/Water partition Coefficient: No information available

Decomposition Temperature(℃):>350

Particle characteristics: No information available

Odor: odourless

pH: No information available

Initial Boiling Point and Boiling Range(℃): No information available

Evaporation Rate: No information available

Upper/lower explosive limits[%(v/v)]: Upper limit: No information available; Lower limit: No information available

Relative Vapour Density (Air=1): No information available

Solubility: < 0.73 µg/l (20 °C)

Auto-Ignition Temperature(℃): not self-igniting

Kinematic Viscosity(mm2/s): 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 oxidizing agents, acids, bases, strong acids, strong bases
Hazardous Decomposition products	No hazardous decomposition products if stored and handled as prescribed/indicated.

Section 11 Toxicological Information

> Acute Toxicity

LD50 rat (oral): > 5,000 mg/kg
LD50 rabbit (dermal): > 5,000 mg/kg

> Skin Corrosion/Irritation

Not irritating to eyes and skin.

> Serious Eye Damage/Irritation

non-irritant

> Respiratory Sensitization

guinea pig: skin sensitizing (OECD Guideline 406)

> Germ Cell Mutagenicity

Ames-test
negative (OECD Guideline 471)

> Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	1843-05-6	2-Hydroxy-4-(octyloxy)benzophenone	Not listed	Not Listed

> Reproductive Toxicity

The results of animal studies gave no indication of a fertility impairing effect.

> Reproductive Toxicity (Additional)

No information available

> 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

The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

> Aspiration Hazard

No aspiration hazard expected

Section 12 Ecological Information

>Toxicity

Toxicity to fish
LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD Guideline 203, static)
Toxicity to daphnia and other aquatic invertebrates
EC50 (48 h) > 0.0038 mg/l, Daphnia magna (Daphnia test acute, semistatic) (OECD Test Guideline 202)
Toxicity to algae
EC20 (3 h) > 100 mg/l, (OECD Guideline 209, aerobic)
EC50 (72 h) > 100 mg/l (growth rate), Scenedesmus subspicatus (Guideline 92/69/EEC, C.3, static)

> Others

	Assessment biodegradation and elimination (H2O): The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.
Persistence and Degradability	Elimination information: 5 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic, non-adapted) Assessment of stability in water: In contact with water the substance will hydrolyse slowly.
Bioaccumulative potential	Assessment bioaccumulation potential: Does not significantly accumulate in organisms. Bioaccumulation potential: Bioconcentration factor: 89 - 190 (60 d), Cyprinus carpio (OECD Guideline 305 C)
Mobility in Soil	Assessment transport between environmental compartments: Volatility: The substance will not evaporate into the atmosphere from the water surface. Adsorption in soil: Adsorption to solid soil phase is expected.
Results of PBT and vPvB Assessment	The product does not contain a substance fulfilling the PBT (persistent/ bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Section 13 Disposal Considerations

Waste Chemicals	Must be disposed of or incinerated in accordance with local regulations.
Contaminated Packaging	Uncontaminated packaging can be re-used.

Section 14 Transport Information

Transporting Label	Not applicable
UN Number	-
UN Proper Shipping Name	ADR/RID : Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
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 531	√	√	√	√	√	√	√	√	√

【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	2021/12/8
Reason for Revision	-

> Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 8th 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.