

SAFETY DATA SHEET

Ultraviolet Absorber 326

SUQIAN UNITECHEM CO., LTD

SDS

· According to GHS (Ninth Revised Edition)

Section 1 Product and Company Identification

> Product Identifier

| | |
|-------------------|--|
| Product Name | Ultraviolet Absorber 326 |
| Synonyms | - |
| CAS No. | 3896-11-5 |
| EC No. | 223-445-4 |
| Molecular Formula | C ₁₇ H ₁₈ ClN ₃ O |

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

| | |
|--------------------------|--|
| Relevant Identified Uses | Laboratory chemicals, Manufacture of substances. |
| 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 INDUSTRIAL 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 INDUSTRIAL 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

Not classified

> GHS Label Elements

| | |
|----------------------|---|
| Pictogram | No information applicable |
| Signal Word | No information applicable |
| Other hazards | This substance meets the criteria for vPvB. |

Section 3 Composition/Information on Ingredients

| Component | Concentration (weight percent, %) | CAS No. | EC No. |
|---|-----------------------------------|-----------|-----------|
| 2-(3-tert-Butyl-2-hydroxy-5-methylphenyl)-5-chloro-2H-benzotriazole | ≤ 100 | 3896-11-5 | 223-445-4 |

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. |
| Skin Contact | Wash thoroughly with soap and water. |
| Ingestion | Never give anything by mouth to an unconscious person. Rinse mouth with water. 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 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.
- 2 Avoid dust formation. Take precautionary measures against static discharges.
Dust explosion class: Dust explosion class 3 (Kst-value >300 bar m s-1).

> Precautions for Storage

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

> 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. Wash hands before breaks and at the end of workday.

> Personal Protection Equipment**Eye Protection**

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

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.

Hand Protection

Manufacturer's directions for use should be observed because of great diversity of types.

| | |
|--|--|
| Body Protection | Body protection must be chosen based on level of activity and exposure. |
| Respiratory protection | Suitable respiratory protection for lower concentrations or short-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: Light yellow powder | Odor: Odorless |
| Odor Threshold: No information available | pH: 5.9 at 10 g/l at 20-25°C |
| Melting Point/Freezing Point(°C) : 137-142 - lit. | Initial Boiling Point and Boiling Range(°C): No information available |
| Flash Point(°C)(Closed Cup): No information available | 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 (Mpa): No information available | Relative Vapour Density (Air=1): No information available |
| Relative Density (Water=1): 1.32 g/cm ³ | Solubility: 0.004 mg/l at 20°C |
| n-Octanol/Water partition Coefficient: No information available | Auto-Ignition Temperature(°C): not self-igniting |
| Decomposition Temperature(°C): >350 | 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 | No information available |
| 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, Strong acids and strong bases |
| Hazardous Decomposition products | No hazardous decomposition products if stored and handled as prescribed/indicated. |

Section 11 Toxicological Information

> Acute Toxicity

LD50 Oral - Rat > 2,000 mg/kg (OECD Test Guideline 423)
 LD50 Dermal - Rat > 2,000 mg/kg (similar to OECD guideline 402)

> Skin Corrosion/Irritation

Not irritating to eyes and skin.

> Serious Eye Damage/Irritation

non-irritant

> Respiratory Sensitization

- Guinea pig
Did not cause sensitisation on laboratory animals.
(OECD Test Guideline 406)

> Germ Cell Mutagenicity

No information available

> Carcinogenicity

| ID | CAS No. | Component | IARC | NTP |
|----|-----------|---|------------|------------|
| 1 | 3896-11-5 | 2-(3-tert-Butyl-2-hydroxy-5-methylphenyl)-5-chloro-2H-benzotriazole | 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**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) >= 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

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

> Others**Persistence and Degradability**

Assessment biodegradation and elimination (H2O):
Not readily biodegradable (by OECD criteria). Poorly biodegradable.

Elimination information:
10 - 20 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO

| | |
|---|---|
| Bioaccumulative potential | 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic, non-adapted) Highly bioaccumulative in aquatic organisms BCF 7093 |
| Mobility in Soil | Log Koc 4.235 L/ kg |
| Results of PBT and vPvB Assessment | This substance meets the criteria for vPvB. |

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. Packs that cannot be cleaned should be disposed of in the same manner as the contents. |

Section 14 Transport Information

| | ADR/RID | IMDG | IATA |
|--|---------------|---------------|---------------|
| Transporting Label | Not Regulated | Not Regulated | Not Regulated |
| UN Number | Not Regulated | Not Regulated | Not Regulated |
| UN Proper Shipping Name | Not Regulated | Not Regulated | Not Regulated |
| Transport Hazard Class | Not Regulated | Not Regulated | Not Regulated |
| Transport Subsidiary Hazard Class | Not Regulated | Not Regulated | Not Regulated |
| Packing Group | Not Regulated | Not Regulated | Not Regulated |

Section 15 Regulatory information

> International Chemical Inventory

| Component | EINECS | TSCA | DSL | IECSC | NZIoC | PICCS | KECI | AICS | ENCS |
|--------------------------|--------|------|-----|-------|-------|-------|------|------|------|
| Ultraviolet Absorber 326 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| | |
|-----------------|--|
| 【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 | 2024/6/30 |
| 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.