SAFETY DATA SHEET

Ultraviolet Absorber 400

SUQIAN UNITECHEM CO., LTD

· According to GHS (Seventh Revised Edition)

SDS

Section 1 Product and Company Identification

> Product Identifier

Product Name	Ultraviolet Absorber 400
Synonyms	-
CAS No.	-
EC No.	-
Molecular Formula	-

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

Relevant Identified Uses	Laboratory chemicals, Manufacture of substances

> 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

Flammable liquids (Category 3), H226
Specific target organ toxicity·single exposure (Category 3), Central nervous system, H336

> GHS Label Elements

Pictogram

Signal Word Warning

> Hazard Statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

> Precautionary Statements

Prevention

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves and eye/face protection.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/gas/mist/vapours.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P233 Keep container tightly closed.

P242 Use only non-sparking tools.

P240 Ground/bond container and receiving equipment.

Response

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P303 + P361 + P352 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.

P370 + P378 In case of fire: Use foam or dry powder for extinction.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

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

> Other Hazards

No specific dangers known, if the regulations/notes for storage and handling are considered.

Section 3 Composition/Information on Ingredients

> Mixtures

Chemical nature Hydroxyphenyltriazine derivative, preparation

Component	Concentration (weight percent, %)	CAS No.	EC No.
1-methoxy-2-propanol; monopropylene glycol methyl ether	>=10 - < 20	107-98-2	203-539-1
2-[4-[(2-Hydroxy-3-dodecyloxypropyl)oxy]-2-hydroxyphenyl]-4,6-	>=80 - < 90	153519-44-9	-

bis(2,4-dimethylphenyl)-1,3,5-triazine & 2-[4-[(2-Hydroxy-3-tridecyloxypropyl)oxy]-2-hydroxyphenyl]-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine

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	Rinse mouth and then drink plenty of water.
Inhalation	If difficulties occur after vapour/aerosol 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

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

Section 5 Fire Fighting Measures

> Extinguishing Media

Suitable Extinguishing Media Dry powder, foam

> 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

Special protective equipment:
Wear a self-contained breathing apparatus.

> Further information

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Section 6 Accidental Release Measure

> Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective clothing. Breathing protection required.

> 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 large amounts: Pump off product.

2 For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

Section 7 Handling and Storage

> Precautions for Handling

Ensure thorough ventilation of stores and work areas.
Protection against fire and explosion:
Sources of ignition should be kept well clear. Take precautionary measures against static discharges. If delivered in plastic packing, highest permissable emptying temperature is 5 Kelvin below the flash point.

> Precautions for Storage

Further information on storage conditions: Keep container tightly closed and in a cool place.

Section 8 Exposure Controls/Personal Protection

Components with occupational exposure limits

> Control Parameters

Occupational Exposure Limit Values

107-98-2: 1-methoxy-2-propanol; monopropylene glycol methyl ether
TWA value 375 mg/m3 ; 100 ppm (OEL (EU))
indicative
Skin Designation (OEL (EU))
The substance can be absorbed through the skin.
STEL value 568 mg/m3 ; 150 ppm (OEL (EU))
indicative

> 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)
Respiratory protection	Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)
Hand Protection	Chemical resistant protective gloves (EN 374) Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374) butyl rubber (butyl) - 0.7 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness 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.

> General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

Section 9 Physical and Chemical Properties

Appearance: Slightly yellow to yellow liquid

Odor: No information available

Odor Threshold: No information available

pH: No information available

Melting Point/Freezing Point(℃) : No information available

Initial Boiling Point and Boiling Range(℃): 120

Flash Point(℃) (Closed Cup): 40

Evaporation Rate: No information available

Flammability: Flammable.

Upper/lower explosive limits[%(v/v)]: For liquids not relevant for classification and labelling.

Vapor Pressure: No information available

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

Relative Density (Water=1): 1.066 g/cm^3

Solubility in water: immiscible

n-Octanol/Water partition Coefficient: No information available

Auto-Ignition Temperature(℃): No information available

Decomposition Temperature(℃): 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	No hazardous reactions when stored and handled according to instructions.
Conditions to Avoid	See MSDS section 7 - Handling and storage.
Incompatible Materials	strong acids, strong bases, strong oxidizing agents
Hazardous Decomposition products	No hazardous decomposition products if stored and handled as prescribed/indicated.

Section 11 Toxicological Information

> Acute Toxicity

In animal studies the substance is virtually nontoxic after a single ingestion. In animal studies the substance is virtually nontoxic after a single skin contact. Vapours may cause drowsiness and dizziness.

The product has not been tested.
The statement has been derived from the properties of the individual components.

Experimental/calculated data:
LD50 rat (oral): > 2,000 mg/kg (OECD Guideline 401)
No mortality was observed. The data on toxicology refer to the active ingredient.
LC50 rat (by inhalation): 4 h
not determined

LD50 rat (dermal): > 2,000 mg/kg (OECD Guideline 402)
No mortality was observed. The data on toxicology refer to the active ingredient.

> Skin Corrosion/Irritation

Assessment of irritating effects:
Not irritating to eyes and skin. The product has not been tested. The statement has been derived from the properties of the individual components.
Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)
The data on toxicology refer to the active ingredient.

> Serious Eye Damage/Irritation

Serious eye damage/irritation rabbit: non-irritant (OECD Guideline 405)
The data on toxicology refer to the active ingredient.

> Respiratory Sensitization

Assessment of sensitization:
Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

Experimental/calculated data:
Guinea pig maximization test guinea pig: Non-sensitizing. (OECD Guideline 406)
The data on toxicology refer to the active ingredient.

> Germ Cell Mutagenicity

Assessment of mutagenicity:
Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from the properties of the individual components.

Experimental/calculated data:
Ames-test
negative (OECD Guideline 471)
The data on toxicology refer to the active ingredient.

> Carcinogenicity

No information available

> Reproductive Toxicity

Assessment of reproduction toxicity:
The data available for an assessment of the effect of the substance on reproduction are not sufficient for a proper evaluation.

> Reproductive Toxicity (Additional)

No information available

> STOT-Single Exposure

May cause drowsiness or dizziness
Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

> STOT-Repeated Exposure

Assessment of repeated dose toxicity:
No adverse effects were observed after repeated oral exposure in animal studies. The data on toxicology refer to the active ingredient.

> Aspiration Hazard

No aspiration hazard expected.

Section 12 Ecological Information

> Toxicity

Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms.
The product has not been tested. The statement has been derived from the properties of the individual components.
Toxicity to fish:
LC50 (96 h) > 2.8 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1)
The ecological data given are those of the active ingredient. No effects at the highest test concentration. Tested above maximum solubility.
Aquatic invertebrates:
EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1)
Tested as a preparation.
Aquatic plants:
EC50 (72 h) 0.2 mg/l, algae (OECD Guideline 201)
The ecological data given are those of the active ingredient. No toxic effects occur within the range of solubility.
Microorganisms/Effect on activated sludge:
EC50 (0.5 h) > 100 mg/l, bacteria (OECD Guideline 209)
The ecological data given are those of the active ingredient.
Chronic toxicity to fish:
No data available.
Chronic toxicity to aquatic invertebrates:
No data available.
Assessment of terrestrial toxicity:
No data available concerning terrestrial toxicity.

> Others

Persistence and Degradability	Assessment biodegradation and elimination (H2O): Not readily biodegradable (by OECD criteria). The product has not been tested. The statement has been derived from the properties of the individual components. Assessment bioaccumulation potential: Significant accumulation in organisms is not to be expected.
Bioaccumulative potential	Bioaccumulation potential: Bioconcentration factor: < 50 (OECD Guideline 305 C) The ecological data given are those of the active ingredient.
Mobility in Soil	Assessment transport between environmental compartments: Volatility: No information available.
Results of PBT and vPvB Assessment	According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): 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. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

Section 14 Transport Information

Transporting Label

UN Number	3092
UN Proper Shipping Name	1-METHOXY-2-PROPANOL SOLUTION
Transport Hazard Class	3
Transport Subsidiary Hazard Class	None
Packing Group	III
Environmental hazards	no

Section 15 Regulatory information

> International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Ultraviolet Absorber 400	x	√	√	√	√	√	x	√	√

【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	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 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.