Safety Data Sheet

Light Stabilizer UV3853

Section 1 - Product and Company Information

Product Name	Light Stabilizer UV3853
Brand	Baoxu Chemical
Synonym	UV-3853; CYASORB UV-3853; 2,2,6,6-Tetramethyl-4-piperidinyl stearate
Chemical Formula	$C_{27}H_{53}NO_2$
Recommended use of the chemical and restrictions on use	Mmainly used as an additive of light stabilizing for polyolefin plastic, polyurethanes, ABS resins, painting, adhesives, rubber etc.
Manufacturer	Dongguan Baoxu Chemical Technology Ltd
Address	Caijing Business Bldg Dongguan China
Zip	523000
International Sales	
Tel	0086-769-22821082;
Fax	0086-769-22821083
Order Online	info@baoxuchem.com

Section2- Hazards Identification

Classification of the substance

Classification according to Regulation (EC) No.1272/2008[CLP/GHS]

Skin Sens.1, H317

Eye Dam.1, H318

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

pictogram

Signal word: Danger

Hazard statements This substance is very toxic to aquatic life, is very toxic to aquatic life with long lasting effects, causes serious eye damage and may cause an allergic skin reaction.

Section 3 - Composition/Information on Ingredient

Composition:

Name	CAS NO.	% by Weight	Type
2,2,6,6-Tetramethyl-4-piperidinyl stearate	167078-06-0	100	A
	86403-32-9		

A: constituent B: impurity C: stabilizing additive

Section 4 - First Aid Measures

Eye Contact Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention immediately.

Skin Contact Immediately wash skin with plenty of water and soap. Remove contaminated clothing and shoes without delay. Obtain medical attention. Do not reuse contaminated clothing without laundering.

Inhalation If inhaled, remove to fresh air.

Ingestion If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Section 5 - Fire Fighting Measures

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder.

Specific hazards: Emits toxic fumes under fire conditions.

Special fire fighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin or eyes.

Section 6 - Accidental Release Measures

Methods for cleaning up

Sweep up and shove into containers for disposal. Flush spill area with water.

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with eyes, skin.

Environmental precautions

This material and/or its container must be disposed of as hazardous waste. Avoid release to the environment.

Section 7 - Handling and Storage

Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation, contact with eyes, skin and clothing.

Storage Store in cool, dry and well-ventilated place. Keep container tightly closed.

Section 8 - Exposure Controls / PPE

Exposure controls

Appropriate engineering controls

This material is not used in a closed system, overall and local exhaust ventilation should be provided to control exposure. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Section 9 - Physical/Chemical Properties

Appearance: Waxy solid.
Molecular Weight: 423.72g/mol
Color: yellow
Odor: odorless
Boiling point: 400℃/752℉
Melting point: 28~32 ℃/82~89℉
Specific Gravity/Density: 0.895 at 20 °C
Vapor Pressure: 0.051Pa at 25 °C
Vapor Density: No data available
Percent Volatile (% by wt.): No data available
pH: Not applicable
Saturation In Air (% By Vol.): No data available
Evaporation Rate: Not applicable
Solubility In Water: Insoluble
Volatile Organic Content: <5mg/L
Flash Point: 140℃/ 284℉(Closed Cup)
Flammable Limits (% By Vol): Not applicable
Autoignition Temperature: 350℃/ 662℉
Decomposition Temperature: No data available
Partition coefficient (n-octanol/water): 8.92

Section 10 - Stability and Reactivity

Chemical Stability: Stable under the storage conditions.
Reactivity No information available
Polymerization Will not occur
Conditions to avoid Extremes of temperature, heat, flames, sparks and direct sunlight.
Incompatible materials No specific incompatibility.
Hazardous Decomposition Products Carbon oxides, oxides of nitrogen.

Section 11 - Toxicological Information

Information on toxicological effects
The product possess very low oral and low dermal and inhalation acute toxicity.
Acute toxicity
LD50 Oral - Rat: > 10g/kg
LD50 Dermal - Ra: > 5g/kg)
LC50 Inhalation - Rat: >5mg/l - 7 h.
Skin contact: Cause an allergic skin reaction.
Eye contact: Cause serious eye damage
Mutagenicity could not be completely excluded. Teratogenic effects cannot be excluded.
A repeat dose oral study in rats revealed mucosal hyperplasia of the duodenum. On this basis, a NOAEL of

40mg/kg/day was established.

Section 12 - Ecological Information

This substance is very toxic to aquatic life, is very toxic to aquatic life with long lasting effects.

Algae Test Results

Test: Growth Inhibition (OECD 201)

Duration: 0 ~72 hr.

Species: Green Algae (Selenastrum capricornutum)

EbC50>0.013 mg/l Complete inhibition of growth and growth rate observed

ErC50 >0.013 mg/l Complete inhibition of growth and growth rate observed

EbC50>495 ug/l Maximum obtainable test concentrations due to limited water solubility

Fish Test Results

Test: Acute toxicity, freshwater (OECD 203)

Duration: 96 hr.

Species: Rainbow Trout (Oncorhyncus mykiss)

LC50>0.80 mg/l

Invertebrate Test Results

Test: Acute Immobilization (OECD 202)

Duration: 48 hr.

Species: Water Flea (Daphnia magna)

EC50: ~0.11 mg/l

Degradation

Test: Modified MITI (OECD 301C)

Duration: 28 day

BOD 100% Degradation is 100% back to starting materials.

Section 13 - Disposal Considerations

Waste Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations. And offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging is disposed as unused product.

Section 14 - Transport Information

Shipping Name: Environmentally hazardous substance, solid, n.o.s.

Hazard Class: 9

UN Number: 3077

Packing Group: III

Section 15 - Regulatory Information

Classification according to Regulation (EC) No.1272/2008[CLP/GHS]

May cause an allergic skin reaction, H317.

Causes serious eye damage, H318

Very toxic to aquatic life, H400

Very toxic to aquatic life with long lasting effects, H410

U.S. Regulatory Information

TSCA listings： Fatty acids, C12-21 and C18-unsatd., 2,2,6,6-tetramethyl-4-piperidinyl esters is listed on the TSCA Inventory.

Section 16 - Other Information

Full text of abbreviated

NOAEL: No Observed Adverse Effect Level

Full text of abbreviated H

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Full text of classifications[CLP/GHS]

Skin Sens.1, H317: Skin Sensitisation, category 1

Eye Dam.1, H318: Serious Eye Damage / Eye Irritation, category 1

Aquatic Acute 1, H400: Hazardous to the aquatic environment - acute, category 1

Aquatic Chronic 1, H410: Hazardous to the aquatic environment – chronic, category 1

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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. **Date of issue 16 May 2018.**

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