

SAFETY DATA SHEET

Additive Antioxidant 1010 (AO1010)

SUQIAN UNITECHEM CO., LTD

SDS

· According to GHS (Seventh Revised Edition)

Section 1 Product and Company Identification

> Product Identifier

Product Name	Additive Antioxidant 1010 (AO1010)
Synonyms	-
CAS No.	6683-19-8
EC No.	229-722-6
Molecular Formula	C ₇₃ H ₁₀₈ O ₁₂

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

Relevant Identified Uses	Antioxidant
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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 INDUSTRIAL PARK, SUQIAN, CHINA
Applicant Post Code	223800
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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	+86-527-84836111
Supplier Fax	+86-527-84829099
Supplier E-mail	lab@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

No information available

> GHS Label Elements

No information available

> Other Hazards

No information available

Section 3 Composition/Information on Ingredients

Component	Concentration (weight percent, %)	CAS No.	EC No.
Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	≤100	6683-19-8	229-722-6

Section 4 First Aid Measures

> Description of First Aid Measures

General Advice	Remove contaminated clothing.
Eye Contact	Flush eyes with water as a precaution.
Skin Contact	Wash off with soap and plenty of water.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration.

> 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 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

> Specific Hazards Arising from the Substance or Mixture

Carbon oxides

> Advice for Firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

> Further information

No information available.

Section 6 Accidental Release Measure

> Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective clothing. Breathing protection required.

> Environmental Precautions

No special environmental precautions required.

> **Methods and Materials for Containment and Cleaning Up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 Handling and Storage

> **Precautions for Handling**

Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.

> **Precautions for Storage**

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

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**

General industrial hygiene practice.

> **Personal Protection Equipment**

Eye Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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.

Section 9 Physical and Chemical Properties

Appearance: White powder

Odor: No information available

Odor Threshold: No information available

pH: No information available

Melting Point/Freezing Point(°C) : 110 - 125 – dec..	Initial Boiling Point and Boiling Range(°C) : 281
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 : No information available	Relative Vapour Density (Air=1) : No information available
Relative Density (Water=1) : 1.116 g/cm ³ at 25°C	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 information available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	No information available
Conditions to Avoid	No information available
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition products	Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - No data available In the event of fire: see section 5

Section 11 Toxicological Information

> Acute Toxicity

LD50 Oral - Rat - male - > 5.000 mg/kg
(OECD Test Guideline 401)
LC50 Inhalation - Rat - male and female - 4 h - > 1,95 mg/l
(OECD Test Guideline 403)
LD50 Dermal - Rabbit - male and female - > 3.160 mg/kg
LD50 Intraperitoneal - Rat - > 1.000 mg/kg

> Skin Corrosion/Irritation

Skin - Rabbit
Result: No skin irritation - 24 h
(OECD Test Guideline 404)

> Serious Eye Damage/Irritation

Eyes - Rabbit
Result: No eye irritation
(OECD Test Guideline 405)

> Respiratory Sensitization

- Guinea pig
Result: Does not cause skin sensitisation.
(OECD Test Guideline 406)

> Germ Cell Mutagenicity

Ames test
 S. typhimurium
 Result: negative
 Mutagenicity (micronucleus test)
 Hamster - male and female
 Result: negative

> Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	6683-19-8	Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	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

No information available

Section 12 Ecological Information

> Toxicity**Toxicity to fish**

static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h
 (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

Immobilization EC50 - Daphnia magna (Water flea) - > 86 mg/l - 24h
 (OECD Test Guideline 202)

Toxicity to algae

static test EC50 - Desmodesmus subspicatus (green algae) - > 100mg/l - 72 h

Toxicity to bacteria

Respiration inhibition IC50 - Sludge Treatment - > 100 mg/l - 3 h
 (OECD Test Guideline 209)

> Others**Persistence and Degradability**

aerobic - Exposure time 28 d
 Result: 5 % - Not biodegradable

	(OECD Test Guideline 301B)
Bioaccumulative potential	No information available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Additional information	No information available

Section 13 Disposal Considerations

Waste Chemicals Contaminated Packaging	Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of as unused product.
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Section 14 Transport Information

Transporting Label	Not applicable		
UN Number	ADR/RID:-	IMDG:-	IATA/ICAO:-
UN Proper Shipping Name	Not classified as a dangerous good under transport regulations		
Transport Hazard Class	ADR/RID :-	IMDG:-	IATA/ICAO :-
Transport Subsidiary Hazard Class	None		
Packing Group	ADR/RID: -	IMDG: -	IATA/ICAO:-
Marine pollutant	ADR/RID: -	IMDG: -	IATA/ICAO: -

Section 15 Regulatory information

> International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Additive Antioxidant 1010 (AO1010)	√	√	√	√	√	√	√	√	√

【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	2020/1/6
Revision Date	2020/1/6
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 handling, storage, use or disposal of the product.