

SUNSHOW Safety Data Sheet according to Regulation (EC) No. 1272/2008

Date / Revised: 01.10.2011 Version: 2.0

Product: **SUNOX<sup>®</sup> 1010**

Date of print 22.03.2012

## 1. Identification of the substance/mixture and of the company/undertaking

### Product identifier

Trade name: **SUNOX<sup>®</sup> 1010**

Chemical name: Pentaerythritol tetrakis[3-(3',5'-di-tert-butyl-4'-hydroxyphenyl)propionate]

CAS Number: 6683-19-8

Product Use: antioxidant

### Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

SUNSHOW(YANTAI) SPECIALTY CHEMICAL CO., LTD.

32# Zhujiang Road, ETDZ Yantai 264006, P. R. China

Light stabilizers and other polymer additives

Telephone: +86 535 6370322/6377411

E-mail address: [info@sunshows.com.cn](mailto:info@sunshows.com.cn)

## 2. Hazards Identification

### CLASSIFICATION OF THE SUBSTANCE

Classification according to Regulation (EC) No 1272/2008 and amendments

This product does not meet the classification requirements of the current European legislation on classification and labeling.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

R18 - In use may form flammable/explosive vapor-air mixture

### Hazard Statements

This product is not classified as a hazardous substance and does not present an environmental hazard. This product can create a nuisance dust. Dust may form explosive mixtures with the air.

### Precautionary Statements

Precautionary statements on the label will be reduced as indicated in Regulation (EC) No 1272/2008, Article 28.

Not applicable

### OTHER HAZARDS

May form flammable/explosive dust-air mixture.

### 3. Composition/Information on Ingredients

No Hazardous Ingredients

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### 4. First-Aid Measures

#### Description of first aid measures

##### Ingestion:

Material is not expected to be harmful by ingestion. No specific first aid measures are required.

**Skin contact:** Wash immediately with plenty of water and soap.

**Eye contact:** Rinse immediately with plenty of water for at least 15 minutes.

**Inhalation:** Material is not expected to be harmful if inhaled. Remove to fresh air.

#### Most important symptoms and effects, both acute and delayed

None known

#### Indication of any immediate medical attention and special treatment need

Not applicable

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### 5. Fire-Fighting Measures

#### EXTINGUISHING MEDIA

##### Suitable extinguishing media:

Use water spray or fog, carbon dioxide or dry chemical.

#### SPECIAL HAZARDS ARISING FROM THE SUBSTANCE

Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

#### ADVICE FOR FIREFIGHTERS

##### Protective Equipment:

Firefighters, and others exposed, wear self-contained breathing apparatus.

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## 6. Accidental Release Measures

### **Personal precautions, protective equipment and emergency procedures:**

Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.

### **Environmental Precautions:**

None known

### **Methods and material for containment and cleaning up:**

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

### **References to other sections:**

See Sections 8 and 13 for additional information.

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## 7. Handling and Storage

### **PRECAUTIONS FOR SAFE HANDLING**

#### **Precautionary Measures:**

Contains finely divided material. Dust suspended in air may ignite with static discharge, sparks or flame. Equipment, including venting systems, should be grounded. Provide adequate ventilation in areas of use to remove dust.

#### **Special Handling Statements:**

Maintain good housekeeping to control dust accumulations.

DUST EXPLOSION HAZARD CLASS - 3.

Handling of material should be in accordance with standards for venting of deflagrations. If handled with flammable or combustible materials the explosion hazard may increase.

#### **Conditions for safe storage, including any incompatibilities:**

None

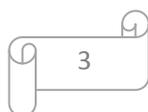
**Special Handling Statements:** None

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## 8. Exposure Controls/Personal Protection

### **CONTROL PARAMETERS - Limits**

No values have been established.



## EXPOSURE CONTROLS

### Engineering measures:

Engineering controls are not usually necessary if good hygiene practices are followed.

### Respiratory protection:

None recommended

### Eye protection:

Wear eye/face protection.

### Skin Protection:

Avoid skin contact.

Wear impermeable gloves.

### Hand protection:

Nitrile or fluorinated rubber gloves. Consider the porosity and elasticity data of the glove manufacturer and the specific conditions in the work place. Replace gloves immediately when torn or any change in appearance (dimension, color, flexibility etc) is noticed.

### Additional advice:

Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Color:	white
Appearance:	powder
Odor:	phenolic
Boiling Point:	Not applicable
Melting Point:	110°C -125°C
Specific Gravity/Density:	1.15g/m <sup>3</sup>
Bulk density	Powder:530-630g/l
Percent Volatile (% by wt.):	<0.5%
pH:	5.89 for a 1% suspension in water
Flash Point:	297°C
Flammable Limits (% By Vol):	Not applicable
Autoignition Temperature:	Not available

<b>Solubility(20°C)</b>	<b>g/100g solution</b>
In Water:	<0.01
Acetone:	47
Chloroform:	71
Ethanol:	1.5
Ethylacetate:	47n-Hexane 0.3
Methanol:	0.9
Methylene Chloride	63
Toluene:	60

## 10. Stability and Reactivity

Reactivity	No information available
Stability:	Stable
Conditions To Avoid:	Avoid creating dusts
Polymerization:	Will not occur
Materials To Avoid:	Strong oxidizer, Strong acids, Strong bases
Hazardous Decomposition Products:	Carbon monoxide (CO) Carbon dioxide

## 11. Toxicological Information

### INFORMATION ON TOXICOLOGICAL EFFECTS

**Likely Routes of Exposure:** Skin, Eyes, Respiratory System.

### PRODUCT TOXICITY INFORMATION

#### ACUTE TOXICITY DATA

Oral	rat	Acute LD50	>5000 mg/kg
Dermal	rabbit	Acute LD50	>3160 mg/kg
Inhalation	rat	Acute LC50 1hr	>46 mg/l

#### LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	dermal	Not irritating
Acute Irritation	eye	Not irritating

#### ALLERGIC SENSITIZATION

Sensitization	dermal	Not sensitizing
Sensitization	Inhalation	Not sensitizing



**ICAO / IATA**

Not applicable/Not regulated

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## 15. Regulatory Information

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

**Ozone Depleting Substances:** Not applicable

**Persistent Organic Pollutants:** Not applicable

**Water Endangering Class (Germany):** 2

Classification on the basis of Annex 3. ID-number 4469

### INVENTORY INFORMATION

**Australia:** All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on AICS.

**United States (USA):** All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

**Canada:** Components of this product have been reported to Environment Canada in accordance with Sections 66 and/or 81 of the Canadian Environmental Protection Act (1999), and are included on the Domestic Substances List.

**China:** All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

**Japan:** All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese inventory.

**Korea:** All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory.

**Philippines:** All components of this product are NOT included on the Philippine (PICCS) inventory.

### CHEMICAL SAFETY ASSESSMENT

No Chemical Safety Assessment has been carried out.

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## 16. Other Information

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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