

# Material Safety Data Sheet

## Antioxidant 1010

### 1. Identification of the Substance/Preparation and the Company/Undertaking

Chemical name: **Antioxidant 1010**

CAS Number :6683-19-8

Producer/Supplier : **SHANGHAI DEBORN CO., LTD.**

ADD: RM604,NO,233,RUSHAN ROAD,PUDONG, SHANGHAI, CHINA

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Information Product Safety and Regulatory Affairs

### 2. Composition/Information on Ingredients

The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directive.

### 3. Hazards Identification

No special hazards.

### 4. First Aid Measures

#### Skin contact

Wash off with soap and plenty of water. Do not use organic solvents.

#### Eye contact

Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.

#### Inhalation

Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of indisposition, seek medical attention. In case of prolonged exposure, seek medical attention.

#### Ingestion

Immediately give plenty (> 500 ml) of water (if possible charcoal slurry). In case of spontaneous vomiting be sure that vomitus can freely drain due to danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing bymouth in cases of unconsciousness or convulsion. Seek medical advice.

### 5. Fire-Fighting Measures

#### Suitable extinguishing media

Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Dry powder

#### Extinguishing media which must not be used for safety reasons

High volume water jet

#### Exposure hazards

Contaminated water from fire hoses or sprinklers, etc., must be prevented from draining into watercourses, sewers, or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil must be disposed of in conformity with local regulations.

### **Special protective equipment for firefighters**

Wear full protective clothing.Wear self-contained breathing apparatus.

### **Hazardous decomposition products**

Oxides of carbon, Toxic gases/vapours

## **6. Accidental Release Measures**

### **Personal precautions**

Do not breathe vapours/dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

### **Environmental precautions**

Do not flush into surface water, sanitary sewer or ground water system.

### **Methods for cleaning up**

Use mechanical handling equipment. Collect the spilled product into suitable containers, which must be tightly sealed and properly labelled. Avoid dust formation.

## **7. Handling and Storage**

### **Handling**

Handle and open container with care. Avoid dust formation and ignition sources. Ensure good local exhaust ventilation.

Do not eat, drink or smoke at the workplace.

### **Storage**

Keep away from food and drink. Store in the original container securely closed.

Danger! Explosion risk. Risk of explosion if an air-dust mixture forms. Avoid creating dusty conditions. Empty only into earthed containers. If container is larger than 2000 liter in volume, or when flammable solvents are present inert container or use a system otherwise designed to prevent or contain an explosion -- seek expert advice.

## **8. Exposure Controls / Personal Protection**

### **Exposure limit(s)**

*CIEL-TWA internal exposure limit (8 hour time weighted average)*

10 mg/m<sup>3</sup>

Exposure limit for inhalable dust.

### **Technical measures/Precautions**

Exposure limit(s) should be monitored using suitable analytical equipments.

### **Respiratory protection**

Effective dust mask.

### **Hand protection**

Protective gloves

### **Eye protection**

Suitable goggles or face protection

### **Skin and body protection**

Working clothes , Closed footwear

## **9. Physical and Chemical Properties**

**Physical Form:** Solid

**Odour** odourless

**Melting/freezing temperature** 110 - 125 ° C

**Boiling point/range** not applicable

**Density** 20 °C 1.15 g/cm<sup>3</sup>

**Flash point** 297 ° C DIN 51584

**Ignition Temperature** 410 ° C BAM

**Oxidising properties** not tested

**Self-ignition temperature** > 350 ° C

**Water solubility** 20 °C < 0.001 g/l EEC A 6

**Vapour pressure** 20 °C 1.3E-10 Pa

**Partition coefficient; Log Pow** 23 OECD 107 /EEC A 8 calculated

**pH-value** 1 % suspension in water 20 - 25°C

5.89

**Explosive properties** not tested

## 10. Stability and Reactivity

**Decomposition temperature** > 350 ° C

**Shock Sensitivity** not tested

**Conditions to avoid** Static discharges.

**Materials to avoid** Strong acids, strong bases and strong oxidising agents.

**Hazardous decomposition products** Oxides of carbon, Toxic gases/vapours

## 11. Toxicological Information

### Acute oral toxicity

*Rat*

LD<sub>50</sub> > 2000 mg/kg

### Acute dermal

#### irritation/corrosion

*Rabbit*

not irritant

### Acute eye irritation/corrosion

*Rabbit*

not irritant

### Acute skin sensitisation

*Guinea pig*

not sensitising

## 12. Ecological Information

### Acute toxicity to fish

*Zebra fish (Brachydanio rerio) 96 h*

LC<sub>50</sub> > 100 mg/l OECD 203

**Acute toxicity to daphnia**

*Daphnia magna* 24 h 20 °C

EC50 > 86 mg/l OECD 202 calculated

The tested concentration is well above its water solubility.

**Acute toxicity to bacteria**

*Sewage sludge* 3 h

IC50 > 100 mg/l OECD 209

**Acute toxicity to algae**

*Scenedesmus sp.* 72 h

EC50 > 100 mg/l EEC C 3

**Biodegradability 28 d**

5 % OECD 301 B Not readily biodegradable

**Biodegradability**

28 d 45 % OECD 303 A

eliminable

**Bioconcentration Factor****(BCF)**

< 2.3 OECD 305 C

**Ecotoxic effects**

Do not discharge product uncontrolled into the environment.

**13. Disposal Considerations****Waste from residues / unused products**

Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.

**Contaminated packaging**

Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

**14. Transport Information**

Flash point 297 °C

ADR/RID Class: Free

IMO Class: Free

ICAO Class: Free

**15. Regulatory Information**

Classification Classification not required

**16. Other Information**

Essential changes Section 9

JX is a registered trademark.

**Important**

THIS MATERIAL IS NOT INTENDED FOR USE IN PRODUCTS FOR WHICH PROLONGED CONTACT WITH MUCOUS MEMBRANES, BODY FLUIDS OR ABRADED SKIN, OR IMPLANTATION WITHIN THE HUMAN BODY, IS SPECIFICALLY INTENDED, UNLESS THE FINISHED PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH



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NATIONALLY AND INTERNATIONALLY APPLICABLE SAFETY TESTING REQUIREMENTS. BECAUSE OF THE WIDE RANGE OF SUCH POTENTIAL USES, TH-GROUP IS NOT ABLE TO RECOMMEND THIS MATERIAL AS SAFE AND EFFECTIVE FOR SUCH USES AND ASSUMES NO LIABILITY FOR SUCH USES.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.