SAFETY DATA SHEET

Antioxidant 1010 CAS #6683- 19-8

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Antioxidant 1010

Chemical Name: Pentaerythrityl Tetrak-is[β-(3.5 di-tert-butyl, 4-hydroxyphenyl)-propionate]

Synonym: Tetrakis [methylene-3-(3',5'-di-tert-butyl-4'-hydroxyphenyl) propionate] methane

Formula: $C_{73}H_{108}O_{12}$

CAS Number: 6683- 19-8

Use: Stabilizer

Company:	Unilong Industry Co.,Ltd.
Address	No.8 Bldg Shuntai, No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China
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2. COMPOSITION, INFORMATION ON INGREDIENTS

Product Name: Antioxidant 1010

CAS Number: 6683- 19-8

Content:≥98%

EINECS#:229-722-6

Hazard Symbols: None

No dangerous components known.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Irritating to eyes, respiratory system and skin.

Potential Health Effects:

Eye: Not expected to be a hazard in normal industrial use. As with any dust, an irritation may be possible to the eye.

Skin: Not expected to be a hazard in normal industrial use. As with any dust, an irritation may be possible to the skin.

Ingestion: Not expected to be a hazard in normal industrial use.

Inhalation: As with any dust, an irritation may be possible to mucous membranes and the respiratory tract.

Chronic: None known.

4. FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin: Wash skin with plenty of soap and water. Get medical attention if irritation.

Ingestion: If conscious, drink plenty of water. In case of vomitting, be sure that vomit can freely drain. If unconscious, do not drink anything. Get medical attention if required.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Avoid inhaling dust or irritating eye and skin.

5. FIRE FIGHTING MEASURES

General Information: As in any fire, wear full protective clothing and wear a self-contained breathing apparatus, and full protective gear.

Extinguishing Media: Water spray, carbon dioxide, dry chemical or chemical foam.

Hazardous Decomposition Products: Oxides of carbon, toxic gases.

6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8. Remove all sources of ignition.

Environmental Precautions: Do not flush into sanitary sewer or bury into ground to avoid impact on environment.

Cleaning Methods: Vacuum or sweep up material and place into a suitable disposal container. Avoid dust formation. Thoroughly flush residue with water.

7. HANDLING and STORAGE

Handling: Handle with care. Avoid breathing dust. Avoid contact with skin and eyes. Avoid dust formation and ignition sources.

Storage: Store in a cool, dry place. Store in a tightly closed container. Keep away from food and drink.

Danger: There is a risk of explosion if an air-dust mixture forms. Do not smoke or weld at the workplace. Use grounding bands to minimize static.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep air fresh.

Personal Protective Equipment:

Eyes: Wear suitable goggles, or face protection.

Hand: Wear appropriate protective gloves.

Skin & body: Wear appropriate protective clothing.

Respirators: Effective dust mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

1. Physical State:	Solid
2. Appearance:	White or light yellow power or grain
3. Odor:	odorless
4. pH:	5.89 for a 1% suspension in water
5. Vapor Pressure:	1.3×10^{-10} Pa
6. Viscosity:	Not available
7. Solubility in water:	$<1.0\times10^{-4}$ g/l at 20℃
8. Melting Point:	110- 125℃
9. Auto-ignition Temperature:	410℃ BAM
10. Flash Point:	297℃, DIN 51584
11. Explosion Limits: Lower or Upper	Not available

10. STABILITY AND REACTIVITY

Decomposition Temperature: >350℃ .

Chemical Stability: Stable.

Conditions to Avoid: Static discharges.

Materials to Avoid: Strong oxidizing agents, acids, and bases.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, toxic gases.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

- oral: LD_{50} > 2000 mg/kg (Rat)
- dermal: Not irritant (Rabbit)
- eye: Not irritant (Rabbit)
- skin: Not sensitising (Guinea pig)

12. ECOLOGICAL INFORMATION

Acute toxicity

- to fish: LC_{50} > 100 mg/l (Zebra fish, 96 hours)
- to daphnia: EC_{50} > 100 mg/l (Daphnia magna, 24 hours)
- to bacteria: IC_{50} > 100 mg/l (Sewage sludge, 3 hours)
- to algae: EC_{50} > 30 mg/l (Scenedesmus sp., 72 hours)

Biodegradability: Not biodegradable

Ecotoxic effects: Not discharge into environment.

Bioelimination, OECD303A: 45% (Coupled-Units-Test)

13. DISPOSAL CONSIDERATIONS

Residuals should be disposed by incineration or other modes of disposal in consistent with federal, state, and local regulations.

Contaminated packaging material should be treated same as the residuals.

Non-contaminated may be re-used or re-cycled.

14. TRANSPORT INFORMATION

International: Regulations such as DOT should be followed.

UN number: Not listed.

Local: Regulations on safety of road traffic in Taiwan.

Special: None.

According to IMDG/IMO,it’s not dangerous cargo.

15. REGULATORY INFORMATION

1. DOT STATUS: Not regulated as a hazardous material by DOT (49 CFR 172. 101).
2. RCRA STATUS: Not a hazardous waste under RCRA (40 CFR 261) .
3. CERCLA STATUS: Not a hazardous substance under CERCLA (40 CFR 302.4) .
4. SARA STATUS: SECTION 311/312 HAZARD CATEGORY:Not reportable. SECTION 313 TOXIC CHEMICAL LIST:Not reportable.
5. TSCA STATUS: Listed in TSCA inventory, allowed to be imported into the US market.

16. ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. We assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.