



Chemical safety technical specification

Product name: Antioxidant 1520

Part 1 Chemical and enterprise identification

1. Product logo: Feng Quan Brand

2. Chinese name of chemical:

2, 4—(正辛基硫亚甲基)-6-甲基苯酚(抗氧剂1520)

English name of chemical: 4,6-Bis(octylthiomethyl)-o-cresol

3. Company name: Shandong Fengquan New Material Co., Ltd

4. Factory address, postcode: Lushan Industrial Park, Yishui County, Linyi City

5. Telephone and fax: 0539-2365668 0539-2365669

6. Mailbox: sales@sdfqxcl.com

Part 2 Risk profile

Emergency Summary: This product is not classified as a dangerous chemical.

Explosive danger: not an explosive.

Oxidability : not an oxidant.

Combustion hazard: high temperature hot surface: combustion.

Corrosion risk: not corrosive products.

Toxic danger: does not belong to toxic products Reproductive toxicity, no evidence.

Acute toxicity, no evidence.

Tag elements: no data.

Warning words: No data.

Hazard information: No data.

Precautions:



Preventive measures: Keep away from fire and heat sources, and no smoking is allowed in the workplace.

Take ESD measures. After receiving special instructions to operate. Read and understand all safety precautions. Use personal protective equipment as required. Avoid contact with eyes, skin, inhalation and ingestion. Wash thoroughly after operation. Do not eat or drink on site. Avoid release into the environment.

Accident response: Use foam, carbon dioxide, dry powder, sand to extinguish fire. Eye contact, lift eyelid, rinse with running water or normal saline. Seek medical attention. In case of skin contact, remove contaminated clothing immediately and rinse contaminated skin, hair, nails, etc. thoroughly with soapy water and running water. Seek medical attention. If inhaled, remove from scene quickly to fresh air. Keep your airway clear. Give oxygen if breathing is difficult. If breathing stops, begin manual breathing immediately. Seek medical attention. If ingested, drink plenty of warm water, do not induce vomiting. Wash the stomach with water or 2% ~ 5% sodium bicarbonate solution. Seek medical attention. The contaminated clothes can be reused only after being washed. Collect spills.

Safe storage: Keep container airtight. Store in a cool, ventilated warehouse. Do not mix with oxidizer.

Waste disposal: Incineration is recommended.

Health hazard: When touching skin, wipe with absorbent paper or fabric, then wash with plenty of water and soap, not organic solvents.

As soon as you come into contact with your eyes, flush them with plenty of water for at least 15 minutes. Take medicine to prevent irritation.

When inhaled, move to fresh air and take medicine to prevent irritation of the respiratory system and secretory membranes.

Take it into your body and immediately use plenty of water (greater than 500ml) (possibly with carbonaceous water). Vomit to prevent choking, drink plenty of water, keep nothing in your mouth to prevent convulsions, and take medication immediately.

Part 3 Component/composition information



Substance	Concentration	CAS No.
2,4 --(n-octylthiophene)-6-methylphenol	≥96%	110553-27-0

Part 4 First aid measures

- Skin contact: Immediately take off the contaminated clothing and rinse the contaminated skin, hair and nails with soapy water and running water thoroughly. Seek medical attention.
- Eye contact: Lift eyelid and rinse with running water or saline. Seek medical attention.
- Suction in: Quickly away from the scene to fresh air. Keep your airway clear. Give oxygen if breathing is difficult. If breathing stops, give artificial respiration immediately. Seek medical attention.
- Ingestion: Drink enough warm water to induce vomiting. Wash the stomach with water or 2% to 5% sodium bicarbonate solution. Seek medical attention.

Part 5 Fire control measures

Special hazard: High temperature hot surface: combustion

Fire extinguishing method and extinguishing agent: Use foam, dry powder, carbon dioxide, fog water, etc.

Fire extinguishing precautions and measures: Fire fighters should wear positive pressure self-contained breathing apparatus and full-body anti-gas fire suit to extinguish fire upwind. Move containers from fire to open space if possible. Spray water to keep the fire container cool until the fire is extinguished. If the volume in the fire site has discolored or generates sound from the safety relief device, evacuate immediately.

Part 6 Leakage emergency treatment



Operator protective measures, protective equipment and emergency procedures: eliminate all sources of ignition. Delimit the warning zone according to the affected area of liquid flow and vapor diffusion, and evacuate irrelevant personnel from crosswind or upwind to the safety zone. It is recommended that emergency personnel wear positive pressure self-contained breathing apparatus, anti-toxic and anti-static clothes, and rubber oil-resistant gloves. Do not touch cracked containers and leaks before wearing appropriate protective clothing. Cut off the source of leakage as much as possible. Spray water to disperse vapor and dilute liquid leaks.

Environmental protection measures: prevent leakage into water, sewer, basement or restricted space.

Storage and removal methods of leaking chemicals and disposal materials used: Small amount of leakage: absorption with activated carbon or other inert materials, collected in airtight containers for disposal. It can also be scrubbed with a emulsion made of a non-combustible dispersant, which is diluted and placed in the wastewater system. A large number of leaks: build a embankment or dig a pit to receive.

Part 7 Operational disposal and storage

Operation precautions: Closed operation, pay attention to ventilation. Operators must be specially trained and strictly abide by operating procedures. You are advised to wear a filter type gas mask, safety protective glasses, rubber oil-resistant gloves, and anti-static work clothes. Keep away from fire, heat source, no smoking in the workplace. Do not use mechanical devices and tools that are prone to spark. Avoid contact with eyes, skin, inhalation and ingestion. Wash thoroughly after operation. Avoid contact with oxidants. Equipped with the corresponding variety and quantity of fire equipment and leakage emergency treatment equipment. Empty containers may remain harmful substances, before removing liquid and vapor can not be welding, cutting and other operations.

Storage precautions: Store in a cool, ventilated warehouse. Keep away from fire and heat. Keep out of direct sunlight. Keep the container sealed. Do not mix with oxidizer. Explosion-proof lighting and ventilation facilities are adopted. Do not use mechanical equipment and tools that are prone to spark. The storage area should be equipped with



appropriate fire fighting equipment, emergency leakage treatment equipment and appropriate holding materials.

It crystallizes when stored below 100C and melts when heated to 600C.

Part 8 Contact Control/Personal Protection

Exposure limit: No data.

Biological limits: No data available.

Engineering control: closed operation, full ventilation. Safety showers and eye washing equipment should be provided in the workplace.

Respiratory protection: Wear a respirator mask when the concentration in the air exceeds the standard.

Eye protection: Wear safety glasses.

Skin and body protection: Wear antistatic clothing.

Hand protection: Wear chemical-resistant gloves.

Other protection: Smoking, eating and drinking are prohibited on site. After work, shower and change.

Part 9 physical and chemical properties

Appearance and properties: colorless to light yellow.

pH (indicating concentration) : No data available

Melting point/freezing point (°C): < 20 °C

Boiling point, initial boiling point and boiling range (°C): No data available

Density: 0.9600-0.9850

Relative vapor density (air =1): No data available

Relative density (water =1): 1.0-1.10

Heat of combustion (kJ/mol): No data available

Saturated vapor pressure (kPa): No data available



Critical pressure (MPa): No data available

Critical temperature (°C): No data available

Flash point (°C): > 200 °C

N-octanol/water partition coefficient: No data available

Decomposition temperature (°C): No data available

Ignition temperature (°C): No data available

Lower explosive limit [% (V/V)]: No data available

Upper explosion limit [% (V/V)]: No data available

Flammability:

Solubility: Insoluble in water, easily soluble in ethanol, acetone and other organic solvents

Part 10 Stability and reactivity

Stability: Stable under normal conditions

Forbidden compound: strong oxidant

Conditions to avoid contact: heat, ignition source

Dangerous reaction: Reaction with strong oxidant

Dangerous decomposition products: carbon monoxide, carbon dioxide, sulfur oxide

Part 11 Toxicological data

Acute toxicity: No data

Rat oral LD50: No data

Rat transdermal LD50: No data

Mouse transoral LD50: No data

Rabbit transdermal LD50: No data

Rabbit transdermal LD50: No data

Skin irritation or corrosion: No data available



Eye irritation or corrosion: No data available

Respiratory or skin allergies: No data available

Germ cell mutagenesis: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ system toxicity -- single exposure: No data available

Specific target organ system toxicity -- repeated exposure: No data available

Inhalation hazard: No data available

Part 12 Ecological data

Ecotoxicity: No data available

Bioenrichment or bioaccumulation: No data available

Migration in soils: No data available

Part 13 Waste disposal

Disposal method of waste:

- Product: Incineration is recommended for disposal.
- Unclean packaging: Return the container to the manufacturer or dispose of it in accordance with national and local regulations.

Disposal precautions: Refer to national and local regulations before disposal.

Part 14 Transportation Information

UN Dangerous Goods Number (UN number) :

United Nations transport name: No information available

United Nations risk classification: No data available

Type of package:



Packing mark:

Packing Method: Galvanized drum packing 190-200 kg per barrel.

Marine pollutants (Yes/No) : No.

Transportation precautions: Check whether the packaging container is complete and sealed before transportation, and ensure that the container does not leak, collapse, fall or damage during transportation. The transportation process should be protected from high temperature, sun exposure and rain. During transportation, the transport vehicle shall be equipped with the corresponding variety and quantity of fire fighting equipment and leakage emergency treatment equipment. It is prohibited to mix with oxidants and edible chemicals.

Part 15 Information of regulations

Regulations on the Safety Administration of Hazardous Chemicals (Decree No. 645 of The State Council, 2013).

Regulations on the Safe Use of Chemicals in the Workplace ([1996] Ministry of Labor Issue No. 423).

Classification and Hazard Publicity of Chemicals - General Rules (GB 13690-2009)

Chemical Safety Technical Specification Content and Item Sequence (GB/T16483-2008)

List of Hazardous Chemicals (2015 Edition).

Occupational exposure limits for hazardous factors in the workplace -- Part 1: Chemical Hazardous Factors (GBZ 2.1-2019).

"Classification and Labeling of Chemicals" series standard (GB 30000.2~29-2013)

Has been included in China IECSC.

Part 16 Other Information

Disclaimer:

This information is only valid for the above products and does not apply to other products and processes. The information is based on the current knowledge level and theory of our technical personnel.



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The information provided should be used as a guide for safe handling, storage, transportation and processing, and not as a guarantee or quality indicator.

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