

Material Safety Data Sheet

Dilauryl Thiodipropionate

Section 1 - Chemical Product and Company Identification

Product Name: Dilauryl Thiodipropionate

Other Name: Antioxidant DLTPD

CAS NO.: 123-28-4

Manufacturer/Supplier:

Tianjin Realet Chemical Technology Co., Ltd.

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Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
123-28-4	Dilauryl Thiodipropionate	99.5%	

Section 3 - Hazards Identification

Emergency Overview: White to off-white powder.

Characteristic sweet odor.

Dusts can form an explosive mixture with air.

Relevant Routes of Exposure: Inhalation and ingestion.

Signs and Symptoms of Overexposure: General reddening to the skin and eyes, mucous membrane irritation, upper respiratory tract irritation.

Medical Conditions Generally Aggravated By Exposure: Dermatitis

Potential Health Effects: See Section XI for additional information.

Eyes: May cause slight eye irritation.

Skin: May cause slight skin irritation.

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

Inhalation: As with any dust, mechanical irritation is possible to mucous membranes and the respiratory tract.

Chronic Health Effects: None known

arcinogenicity: NTP: No ACGIH: No

IARC: No OTHER: No

OSHA: No

Section 4 - First Aid Measures

Eyes: Flush with large volumes of water for at least 15 minutes. Get medical attention.

Skin: Wash with large volumes of soap and water for at least 15 minutes. If irritation develops, get medical attention.

Ingestion: If conscious, give person 1 to 2 glasses of water. Get medical attention immediately.

Inhalation: Remove person to fresh air. Get medical attention.

Antidotes: No information available

Notes to Physicians and/or Protection for First-Aiders: No information available

Section 5 - Fire Fighting Measures

Flash Point: > 200°C

Autoignition Temperature: 265°C

Extinguishing Media: All conventional media are suitable.

Fire Fighting Instructions: Wear a self-contained breathing apparatus and protective clothing to prevent skin and eye contact in fire situations.

Unusual Fire and Explosion Hazards: Under fire conditions, toxic and irritating fumes may be emitted. Dusts can form an explosive mixture with air.

Flammability Classification: Non-flammable solid

Known or Anticipated Hazardous

Products of Combustion: Oxides of sulfur Carbon monoxide and carbon dioxide

Section 6 - Accidental Release Measures

Accidental Release Measures: Shut off all sources of ignition. Wearing appropriate personal protective equipment, carefully sweep up material and place in suitable labeled containers for disposal.
Avoid creating a dusting condition.

Personal Precautions: See Section VIII.

Environmental Precautions: Avoid releasing to the environment.

Section 7 - Handling and Storage

Handling: Use appropriate personal protection equipment.

Avoid eye, skin and clothing contact.

Avoid breathing dust.

Avoid repeated and prolonged contact.

Avoid creating a dusting situation.

Keep away from heat, sparks and flame.

Storage: Store in a cool, dry, well-ventilated area away from incompatible materials.

Store away from heat, sparks, and flame.

Keep container tightly closed.

Other Precautions: Avoid contact of material with open flames.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Adequate general ventilation is recommended when handling to control airborne levels.

Ventilation Requirements: Use local exhaust to minimize dusting.

Use mechanical ventilation for general area control.

Personal Protective Equipment:

Eye/Face Protection: Chemical safety glasses with side shields or chemical safety goggles

Skin Protection: Rubber gloves.

Clothing designed to minimize skin contact.

Respiratory Protection: Wear a state administration of work safety approved dust respirator if dusting occurs, or there is potential for airborne exposures to exceed established threshold values.

Other Protective Clothing or Equipment: No information available

Exposure Guidelines: See Section II.

Work Hygienic Practices: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical and Chemical Properties

Appearance: White to off-white powder,

Percent Volatile: 0.05 MAX

Odor: Characteristic sweet odor

Boiling Point: Not available

Bulk Density: Not available

Color: White

Physical State: Solid

Decomposition Temperature: Does not decompose at temp below 300°C

Evaporation Rate: Not available

Vapor Pressure: 0.15 mm Hg at 162 °C

Softening Point: Not available

Heat Value: Not available

Solubility in Water: Practically insoluble

Melting Point: 63.5-68.5°C

pH Value: PH=7

pH Concentration: Not available

Reactivity in Water: Not water reactive

Solubility in Water: Insoluble

Specific Gravity or Density (Water=1): 1.027at 25°C

Vapor Density: Not available

Molecular/Chemical Formula: C30H58O4S

Molecular Weight: 514.84

Section 10 - Stability and Reactivity

Stability: Stable under normal conditions of handling and use.

Incompatibility With Other Materials: Temperature above 250°C

Strong oxidizers

Reducing agents

Strong acids

Strong bases

Hazardous Decomposition Products: Thermal decomposition may produce the following: Oxides of sulfur .Carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None

Section 11 - Toxicological Information

VALUE (LD50 OR LC50)	ANIMAL	ROUTES	COMPONENTS
>3,000 ppm/4H	Rat	Acute Inhalation	Disteryll Thiodipropionate
>2 g/kg	Mouse	Acute Intraperitoneal	Disteryll Thiodipropionate
>2 g/kg	Mouse	Acute Oral	Disteryll Thiodipropionate
>2g/kg	Rabbit	Acute Dermal	Disteryll Thiodipropionate
>5 g/kg	Rat	Acute Oral	Disteryll Thiodipropionate

Toxicological Information:

The toxicological properties of this material have not been fully determined.

Slight irritation of skin and eyes may be possible.

Other acute and chronic health hazards, as well as target organs, are unknown. As with all dusts, inhalation of air concentration levels above the PNOR may cause irritation and adverse lung effects.

Section 12 - Ecological Information

Ecological Information:

Avoid releasing to the environment.

Section 13 - Disposal Considerations

Disposal Considerations: Dispose of waste at an approved chemical disposal facility in compliance with all current Local, city/Province,China laws and regulations.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	Dilauryl Thiodipropionate	Dilauryl Thiodipropionate
Hazard Class:	none	none
UN Number:	none	none
Packing Group:	none	none
Additional Info:		

Section 15 - Regulatory Information

U.S. Federal Regulations:

The components of this product are either on the TSCA Inventory or exempt (i.e. impurities, a polymer complying with the exemption rule at 40 CFR 723.250) from the Inventory.

State Regulations:

None known

Section 16 - Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and 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.