

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



SAFETY DATA SHEET SDS

ANTIOXIDANT 245

1. Identification of the Substance Mixture and of the Company Undertaking

Field	Information
Product name	Antioxidant 245
Chemical name	Ethylene bis(oxyethylene) bis[3-(5-tert-butyl-4-hydroxy-m-tolyl)propionate]
CAS number	36443-68-2
Relevant identified uses	Primary antioxidant for industrial polymer stabilisation
Uses advised against	Direct food or pharmaceutical use without separate assessment
Supplier	Polymer Add (Thailand) Co., Ltd.
Office address	106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok 10250, Thailand
Factory address	188/3, Moo 8, Bangpu Mai, Muang Samut Prakan, Samut Prakan 10280, Thailand
Mobile Thai	0804531391
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Email	contact@polymeradd.co.th

2. Hazards Identification

Field	Description
GHS classification	Not classified as hazardous on the substance information available for this draft. Confirm against the current safety data for the supplied grade before formal issue.
Signal word	None assigned
Pictogram	None assigned
Hazard statements	None assigned
Other hazards	Dust may cause mechanical irritation of the eyes and respiratory tract. Fine organic powder dispersed in air may present a combustible dust hazard. Avoid dust clouds and ignition sources.

3. Composition Information on Ingredients

Substance	CAS No.	EC No.	Content
Ethylene bis(oxyethylene) bis[3-(5-tert-butyl-4-hydroxy-m-tolyl)propionate]	36443-68-2	253-039-2	≥98.0%

The remaining constituents are not identified in the supplied product information.

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4. First Aid Measures

General advice: Remove the affected person from exposure. Obtain medical attention if symptoms develop or persist.

Inhalation: Move to fresh air. Seek medical advice if coughing, breathing difficulty or irritation persists.

Skin contact: Remove contaminated clothing and wash the affected skin with soap and water.

Eye contact: Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Obtain medical attention if irritation persists.

Ingestion: Rinse the mouth. Do not induce vomiting. Seek medical advice if symptoms develop.

5. Firefighting Measures

Suitable extinguishing media: Water spray, foam, dry chemical powder or carbon dioxide.

Unsuitable extinguishing media: Avoid a concentrated water jet if it could disperse powder or burning material.

Specific hazards: Fine dust suspended in air may form a combustible dust atmosphere. Combustion may produce carbon monoxide, carbon dioxide and irritating fumes.

Protective equipment: Firefighters should wear suitable protective clothing and self-contained breathing apparatus.

Additional advice: Prevent contaminated firefighting water from entering drains and waterways.

6. Accidental Release Measures

Avoid raising dust. Remove ignition sources and provide ventilation. Wear suitable gloves, eye protection and particulate respiratory protection where needed. Collect with an industrial vacuum suitable for combustible dust, or sweep carefully into a labelled container. Prevent release into drains and waterways.

7. Handling and Storage

Handling: Avoid inhalation of dust and contact with the eyes. Use local exhaust ventilation where dust is generated. Prevent dust accumulation. Ground and bond powder-handling equipment where appropriate.

Storage: Keep packaging tightly closed in a cool, dry and well-ventilated area. Protect from excessive heat, direct sunlight and ignition sources.

Incompatible materials: Strong oxidising agents.

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8. Exposure Controls Personal Protection

Field	Information
Occupational exposure limit	No substance-specific limit is established in this document; apply applicable workplace dust limits
Engineering controls	General ventilation and local exhaust where dust is generated
Respiratory protection	Suitable particulate respirator when dust exposure cannot be adequately controlled
Hand protection	Suitable protective gloves
Eye protection	Safety glasses or goggles
Skin protection	Protective work clothing
Hygiene measures	Wash hands after handling and before eating, drinking or smoking

9. Physical and Chemical Properties

Property	Value
Appearance	White crystalline powder
Odour	No verified product data available
Molecular formula	$C_{34}H_{50}O_8$
Molecular weight	586.76 g/mol
Melting range	76–80 °C, product specification
Moisture	≤0.5%, product specification
Flash point	Greater than 150 °C, indicative substance value; confirm for the supplied grade
Density	Approximately 1.14 g/mL at 20 °C, indicative
Water solubility	Very low; less than 0.01 g per 100 g at 25 °C, indicative
Boiling point	No verified product data available
pH	Not applicable to the dry solid
Auto-ignition temperature	No verified product data available
Decomposition temperature	No verified product data available
Explosive properties	Airborne fine dust may present a combustible dust hazard

10. Stability and Reactivity

Reactivity: No dangerous reaction expected under recommended handling conditions.

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Excessive heat, ignition sources and airborne dust accumulation.

Incompatible materials: Strong oxidising agents.

Hazardous decomposition products: Carbon oxides and irritating fumes during combustion or thermal decomposition.

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11. Toxicological Information

The supplied product information does not provide quantitative toxicological values. Dust may cause temporary mechanical irritation of the eyes and respiratory tract. This document does not establish classifications for skin sensitisation, mutagenicity, carcinogenicity, reproductive toxicity or repeated exposure.

12. Ecological Information

Avoid uncontrolled release into the environment. Product-specific aquatic toxicity, persistence, degradability, bioaccumulation and soil mobility values have not been established in this document. Low water solubility does not establish that the product is environmentally harmless.

13. Disposal Considerations

Do not discharge into drains or waterways. Dispose of the product and contaminated packaging through an authorised waste contractor in accordance with applicable requirements. Determine the waste classification from its actual use and any contamination.

14. Transport Information

Mode	Classification
ADR/RID	Not identified as regulated dangerous goods
IMDG	Not identified as regulated dangerous goods
ICAO/IATA	Not identified as regulated dangerous goods

UN number: Not assigned

Proper shipping name: Not applicable

Transport hazard class: Not applicable

Packing group: Not applicable

Special precautions: Protect packaging from damage and moisture. Confirm requirements for the actual shipment and destination.

15. Regulatory Information

CAS number: 36443-68-2

EC number: 253-039-2

Chemical inventory status and suitability for food-contact applications must be confirmed for the actual manufacturer, formulation and destination market. This SDS is not a regulatory certificate or food-contact declaration.

16. Other Information

Product: Antioxidant 245

SDS version: 1.0

Date of preparation: September 2026