

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 1076

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

Field	Information
Product name	Antioxidant 1076
Chemical name	Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate
CAS number	2082-79-3
Relevant identified uses	Primary antioxidant for industrial polymer and other compatible organic formulations
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
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2. Hazards Identification

Field	Description
GHS classification	Skin irritation, Category 2; Eye irritation, Category 2A
Signal word	Warning
Pictogram	GHS07 — Exclamation mark
Hazard statements	H315: Causes skin irritation. H319: Causes serious eye irritation.
Precautionary statements	P264: Wash hands thoroughly after handling. P280: Wear protective gloves and eye protection. P302 + P352: IF ON SKIN: Wash with plenty of water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists, get medical advice or attention.
Other hazards	Dust may irritate the respiratory tract. Fine powder dispersed in air may form a combustible dust atmosphere. Avoid dust formation, accumulation and ignition sources.

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3. Composition Information on Ingredients

Substance	CAS No.	EC No.	Product content
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	2082-79-3	218-216-0	≥98.0%

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 attention if coughing, breathing difficulty or irritation persists.

Skin contact: Remove contaminated clothing. Wash the affected skin with soap and water. Seek advice if irritation develops.

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 unless instructed by medical personnel. Seek medical advice if a significant amount is swallowed or 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: Organic solid. Airborne fine dust may form a combustible dust atmosphere. Combustion may produce carbon monoxide, carbon dioxide and irritating fumes.

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

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

6. Accidental Release Measures

Avoid breathing dust and prevent contact with the eyes. Eliminate 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 without generating airborne dust. Place the material in a labelled container. Prevent release into drains and waterways.

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7. Handling and Storage

Handling: Avoid dust formation and accumulation. Provide local exhaust ventilation where dust is generated. Avoid contact with the eyes and prolonged skin contact. Ground and bond powder-handling equipment where appropriate.

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

Incompatible materials: Strong oxidising agents.

8. Exposure Controls Personal Protection

Field	Information
Occupational exposure limit	No substance-specific limit is established in this document; apply relevant workplace dust limits
Engineering controls	General ventilation and local exhaust at dust-generating points
Respiratory protection	Suitable particulate respirator when ventilation does not adequately control dust
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 supplied
Molecular formula	$C_{35}H_{62}O_3$
Molecular weight	530.86 g/mol
Content	≥98.0%, product specification
Melting range	50–55 °C, product specification
Moisture	≤0.2%, product specification
Boiling point	No verified product data supplied
Flash point	No verified product data supplied
pH	Not applicable to the dry solid
Water solubility	Very low; exact value for the supplied grade not established
Auto-ignition temperature	No verified product data supplied
Decomposition temperature	No verified product data supplied
Explosive properties	Fine airborne dust may present a combustible dust hazard

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10. Stability and Reactivity

Reactivity: No dangerous reaction expected under recommended handling and storage conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Airborne dust may form a combustible mixture with air.

Conditions to avoid: Excessive heat, sparks, open flames and dust accumulation.

Incompatible materials: Strong oxidising agents.

Hazardous decomposition products: Carbon monoxide, carbon dioxide and irritating fumes during combustion or thermal decomposition.

11. Toxicological Information

The supplied COA does not contain toxicological test data. Dust may cause mechanical irritation of the eyes and respiratory tract. No quantitative acute toxicity values or product-specific conclusions on sensitisation, mutagenicity, carcinogenicity, reproductive toxicity or repeated exposure are established in this document. Confirm these endpoints against the current manufacturer SDS before formal issue.

12. Ecological Information

Avoid uncontrolled release into the environment. Product-specific aquatic toxicity, persistence, degradability, bioaccumulation and soil mobility data have not been established in this document. Low water solubility alone does not establish environmental safety.

13. Disposal Considerations

Do not discharge into drains or waterways. Dispose of the product and contaminated packaging through an authorised waste contractor according to applicable local requirements. Determine waste classification from the material's actual use and any contamination.

14. Transport Information

Mode	Status for this draft
ADR/RID	Confirm against the current manufacturer SDS before shipment
IMDG	Confirm against the current manufacturer SDS before shipment
ICAO/IATA	Confirm against the current manufacturer SDS before shipment

15. Regulatory Information

CAS number: 2082-79-3

EC number: 218-216-0

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

16. Other Information

Product: Antioxidant 1076

SDS version: Draft 1.0

Date of preparation: September 2026

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