

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)

NEOPENTYL GLYCOL DIBENZOATE (MICRONIZED)

1. Identification of the Substance and of the Company

Item	Details
Product Name	Neopentyl Glycol Dibenzoate (Micronized)
Synonyms	NPG Dibenzoate, 2,2-Dimethyl-1,3-propanediol dibenzoate
CAS No.	4196-89-8
Molecular Formula	$C_{18}H_{20}O_4$
Recommended Use	Solid plasticizer / functional modifier for polymers and resins
Uses Advised Against	Not for food, pharmaceutical, cosmetic, or consumer applications
Supplier	Polymer Add (Thailand) Co., Ltd.
Office Address	106, Chalermprakiat R.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
Phone (Thai)	+66 80 453 1391
Phone (English)	+66 83 941 5475
Email	contact@polymeradd.co.th

2. Hazards Identification

Item	Description
Classification (CLP)	Not classified as hazardous
Signal Word	None
Hazard Pictograms	None
Hazard Statements	Not applicable
Precautionary Statements	Avoid dust generation. Use appropriate industrial hygiene
Other Hazards	Fine powder may cause mechanical irritation to eyes or respiratory tract

3. Composition / Information on Ingredients

Component	CAS No.	Concentration
Neopentyl Glycol Dibenzoate	4196-89-8	≥ 98 %

4. First Aid Measures

Exposure Route	Measures
General Advice	Remove from exposure. Seek medical attention if symptoms persist
Inhalation	Move to fresh air. Seek medical advice if discomfort occurs
Skin Contact	Wash thoroughly with soap and water
Eye Contact	Rinse cautiously with clean water for at least 15 minutes
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel

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5. Firefighting Measures

Item	Description
Suitable Extinguishing Media	Water spray, dry chemical, foam, CO ₂
Specific Hazards	Combustion may produce carbon oxides and organic fumes
Protective Equipment	Self-contained breathing apparatus and protective clothing

6. Accidental Release Measures

Item	Description
Personal Precautions	Avoid dust formation. Use protective equipment
Environmental Precautions	Prevent entry into drains and waterways
Cleanup Methods	Sweep or vacuum carefully. Collect in sealed containers

7. Handling and Storage

Item	Description
Handling	Handle in well-ventilated areas. Avoid inhalation of dust
Storage	Store in a cool, dry place. Keep container tightly closed
Incompatible Conditions	Excessive heat, strong oxidising agents

8. Exposure Controls / Personal Protection

Item	Recommendation
Occupational Exposure Limits	Not established
Engineering Controls	Local exhaust ventilation recommended
Eye Protection	Safety goggles
Skin Protection	Protective gloves
Respiratory Protection	Dust mask / particulate respirator when required
Hygiene Measures	Wash hands after handling

9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white powder
Odour	Mild ester odour
Melting / Softening Range	43 – 46 °C
Bulk Density	0.35 – 0.50 g/cm ³
Solubility in Water	Insoluble
Flash Point	Not applicable
Flammability	Not classified
Vapour Pressure	Negligible

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10. Stability and Reactivity

Item	Description
Chemical Stability	Stable under normal conditions
Hazardous Reactions	None known
Incompatible Materials	Strong oxidising agents
Decomposition Products	Carbon oxides, organic fumes

11. Toxicological Information

Endpoint	Information
Acute Toxicity	No specific data available
Skin Irritation	May cause mild irritation on prolonged contact
Eye Irritation	Dust may cause mechanical irritation
Sensitisation	No data available
Carcinogenicity	Not classified

12. Ecological Information

No specific ecological data available. Not expected to pose significant environmental hazard when properly handled.

13. Disposal Considerations

Dispose according to local regulations. Empty containers completely before disposal.

14. Transport Information

Not regulated under ADR / RID / IMDG / ICAO / IATA / DOT.

15. Regulatory Information

Not classified under CLP. Not identified as SVHC under REACH (indicative).

16. Other Information

- **SDS Version:** 1.0
- **Date of Issue:** January 2026
- **Date of Review:** January 2028
- **Intended Use:** Industrial use only

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Disclaimer:

This SDS is provided for information purposes only and does not constitute a specification or guarantee. Users must ensure suitability and regulatory compliance for their specific application.

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