

Polymer Add (Thailand) Co; Ltd.

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Safety Data Sheet

NEOPENTYLGLYCOL DIBENZOATE

Revision date :

Version : 3.0

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NUMBER

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Chemical Name NEOPENTYL GLYCOL DIBENZOATE
CAS NO. 4196-89-8

1.2 Relevant identified uses of the substance or mixture and uses advised against

1. NPG-Dibenoate is used as enviornment friendly plasticizer for Polyvinyl Chloride, Polyvinyl Butyl Acetal, Polymethyl Methacrylate, Cellulose Acetate Butyrate, Ethyl Cellulose and nitrocellulose.
2. Upto 50% of the resin content, can be substituted with NPG-Dibenoate.
3. NPG-Dibenoate has excellent heat resistance and light stability.

Details of the supplier of the safety data sheet

COMPANY POLYMER ADD (THAILAND) CO., LTD.
106, Chalarempakiat, Lor 9, Soi 22, Yak
5,Nongbon, Prawet,Bangkok
Bangkok - 10250
Thailand
Telephone : 0804531391
Email - contact@polymeradd.co.th

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical and Chemical Hazards None
Human Health Irritating to eyes and skin
Environment None

2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

2.3 Other hazards

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component NEOPENTYL GLYCOL DIBENZOATE
Chemical Name NEOPENTYL GLYCOL DIBENZOATE
CAS NO 4196-89-8
EC Number 224-081-9
Molecular Formula C19H20O4
Molecular Weight 312.37 g/mol
Concentration Min 98%

4 FIRST AID MEASURES

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4.1 Description of first aid measures

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	In case of contact, immediately wash skin with soap and copious amounts of water.
In case of eye contact	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.
If swallowed	wash out mouth with water provided person is conscious. Call a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide, dry chemical powder, or appropriate foam. Foam and water spray are effective but may cause frothing.

5.2 Special hazards arising from the substance or mixture Emits toxic fumes under fire conditions.

5.3 Advice for firefighters Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

5.4 Further information No data available

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

6.2 Environmental precautions

No data available

6.3 Methods and materials for containment and cleaning up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

6.4 Reference to other sections

For disposal see section 13.

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7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not breathe dust. Avoid contact with eyes, skin, and clothing.

7.2 Information about protection against explosions and fires

Keep tightly closed. Store in a cool dry place.

7.3 Conditions for safe storage including any incompatibilities

no data available

7.4 Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls

Safety shower and eye bath. Mechanical exhaust required.

Technical measures/Precautions

No data available

Personal protective equipment

No data available

Eye/face protection

Chemical safety goggles.

Hands protection

Compatible chemical-resistant gloves.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.

9 PHYSICAL AND CHEMICAL PROPERTIES

a)Appearance

Form : Powder Colour : White

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b)Odour	No data available
c)Odour Threshold	No data available
d)pH (% solution in water)	No data available
pH	No data available
e)Melting point/freezing point	No data available
f)Initial boiling point and boiling range	No data available
g)Flash point	No data available
h)Evaporation rate	No data available
i)Flammability (solid or gas)	No data available
j)Upper/lower flammability or explosive limits	No data available
k)Vapour pressure	No data available
l)Vapour density	No data available
m)Relative density	No data available
n)Water solubility	No data available
o)Partition coefficient: n-octanol/water	No data available
p)Autoignition temperature	No data available
q)Decomposition temperature	No data available
r)Viscosity	No data available
s)Explosive properties	No data available
t)Oxidizing properties	No data available

9.2 Other safety information

Bulk Density	No data available
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10 STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	No data available
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products	Carbon monoxide, Carbon dioxide.

11 TOXICOLOGICAL INFORMATION

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11.1 Information on toxicological effects

Acute toxicity	no data available
Acute oral toxicity	no data available
Acute Inhalation toxicity	May be irritating to mucous membranes and upper respiratory tract.
Acute dermal toxicity	no data available
Acute Irritation / corrosion toxicity	no data available
Skin corrosion/irritation	May cause skin irritation
Serious eye damage/eye irritation	May cause eye irritation.
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Carcinogenicity	no data available
IARC	no data available
Reproductive toxicity	no data available
Specific target organ toxicity - single exposure	no data available
Specific target organ toxicity - repeated exposure	no data available
Signs and symptoms of exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Route of exposure	no data available
Aspiration hazard	no data available
Potential health effects	no data available
Inhalation	May be irritating to mucous membranes and upper respiratory tract.
Ingestion	Harmful if swallowed.
Skin	May cause skin irritation.
Eyes	May cause eye irritation.
RTECS	Not available

12 ECOLOGICAL INFORMATION

12.1 Toxicity	no data available
Toxicity to fish	no data available

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Toxicity to daphnia and other aquatic invertebrates no data available

Toxicity to Algae/Aquatic plants no data available

Toxicity to microorganisms no data available

12.2 Persistence and degradability

Biodegradation

no data available

12.3 Bio accumulative potential no data available

12.4 Mobility in soil no data available

12.5 Results of PBT and vPvB assessment no data available

12.6 Other adverse effects no data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this m

Contaminated packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID	IMDG	IATA
-	-	-

14.2 UN proper shipping name

ADR/RID	IMDG	IATA
-	-	-

14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA
-	-	-

14.4 Packaging group

ADR/RID	IMDG	IATA
-	-	-

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14.5 Environmental hazards

ADR/RID	IMDG Marine pollutant	IATA
No	No	No
14.6 Special precautions for user	no data available	

15 REGULATORY INFORMATION

no data available

15.1 Safety health and environmental regulations/legislation specific for the substance or mixture

no data available

15.2 Chemical Safety Assessment

no data available

16 OTHER INFORMATION

no data available

no data available

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Dr J Pharmachem (India) and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.jpharmachem.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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