

# Polymer Add (Thailand) Co; Ltd.



## Safety Data Sheet

### DIPROPYLENE GLYCOL DIBENZOATE

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NUMBER

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

### 1.1 Product identifiers

Chemical Name	Dipropylene Glycol Dibenzoate
CAS NO.	27138-31-4

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

1. It has been used in a wide variety of applications, including adhesive and PS sealants.
2. Used as a plasticizer in PVC and paints applications.

### Details of the supplier of the safety data sheet

#### COMPANY

POLYMER ADD (THAILAND) CO., LTD.  
106, Chalarempriakiat, 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

Environment	Long-term (chronic) aquatic hazard (Category 3), H412 For the full text of the H-Statements mentioned in this Section, see Section 16.
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### 2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

Label elements	none
Signal word	none
H412	Harmful to aquatic life with long lasting effects.
P273	Avoid release to the environment.
According to European Directive 67/548/EEC as amended	none

### 2.3 Other hazards

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Component	
Chemical Name	Dipropylene Glycol Dibenzoate
CAS NO	27138-31-4
EC Number	248-258-5

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<b>Molecular Formula</b>	C20H22O5
<b>Molecular Weight</b>	342.39 g/mol
<b>Concentration</b>	<=100%

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Consult a physician.  
Show this safety data sheet to the doctor in attendance.

<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>In case of skin contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In case of eye contact</b>	Flush eyes with water as a precaution.
<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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### 5.2 Special hazards arising from the substance or mixture

Carbon oxides

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary

### 5.4 Further information

No data available

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions protective equipment and emergency procedures

Use personal protective equipment.

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Avoid breathing vapours, mist or gas.  
Ensure adequate ventilation.  
For personal protection see section 8.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.  
Do not let product enter drains.  
Discharge into the environment must be avoided.

#### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.  
Keep in suitable, closed containers for disposal.

#### 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

For precautions see section 2.2.

#### 7.2 Information about protection against explosions and fires

No data available

#### 7.3 Conditions for safe storage including any incompatibilities

Store in cool place.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### 7.4 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

##### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### 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

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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 Regulation (EU) 2016/425 and the standard EN 374 derived from it.

#### Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Prevent further leakage or spillage if safe to do so.

Do not let product enter drains.

Discharge into the environment must be avoided.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

a)Appearance	Colourless viscous liquid
b)Odour	No data available
c)Odour Threshold	No data available
d)pH (% solution in water)	No data available
e)Melting point/freezing point	No data available
f)Initial boiling point and boiling range	232 Deg C at 7 hPa - lit.
g)Flash point	192 Deg C - closed cup - ASTM D 93
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	1.12 g/cm <sup>3</sup> at 25 Deg C
n)Water solubility	ca.0.00869 g/l at 20 Deg C
o)Partition coefficient: n-octanol/water	log Pow: 3.9 at 20 Deg C

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p)Autoignition temperature	> 400 Deg C at 1013 hPa
q)Decomposition temperature	> 270 Deg C
r)Viscosity	No data available
s)Explosive properties	Not explosive
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	Stable under recommended storage conditions.
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	Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - No data available In the event of fire: see section 5

#### 11 TOXICOLOGICAL INFORMATION

##### 11.1 Information on toxicological effects

<b>Acute oral toxicity</b>	LD50 Oral - Rat - male and female - 3.914 mg/kg
<b>Acute Inhalation toxicity</b>	LC50 Inhalation - Rat - male and female - 4 h - > 200 mg/l
<b>Acute dermal toxicity</b>	LD50 Dermal - Rat - male and female - > 2.000 mg/kg
<b>Skin corrosion/irritation</b>	Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)
<b>Serious eye damage/eye irritation</b>	Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405)
<b>Respiratory or skin sensitization</b>	Maximisation Test - Guinea pig Result: Does not cause skin sensitisation. (OECD Test Guideline 406)
<b>Germ cell mutagenicity</b>	Ames test S. typhimurium Result: negative
<b>IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as

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probable, possible or confirmed human carcinogen by IARC

#### Reproductive toxicity

No data available

#### Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available

#### RTECS

Not available

#### Signs And Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Toxicity to fish

flow-through test LC50 - Pimephales promelas (fathead minnow) - 3.7 mg/l - 96 h

#### Toxicity to daphnia and other aquatic invertebrates

static test EC50 - Daphnia magna (Water flea) - 19.3 mg/l - 48 h (OECD Test Guideline 202)

#### Toxicity to Algae/Aquatic plants

static test EC50 - Pseudokirchneriella subcapitata (algae) - 3.6 mg/l - 72 h (OECD Test Guideline 201)

#### Toxicity to microorganisms

Respiration inhibition EC50 - Sludge Treatment - > 100 mg/l - 3 h (OECD Test Guideline 209)

### 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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Other adverse effects

Harmful to aquatic life with long lasting effects.

## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

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Offer surplus and non-recyclable solutions to a licensed disposal company.

#### 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

Not dangerous goods

Not dangerous goods

Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID

IMDG

IATA

-

-

-

### 14.4 Packaging group

ADR/RID

IMDG

IATA

-

-

-

### 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

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

No data available

### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## 16 OTHER INFORMATION

H412

Harmful to aquatic life with long lasting effects.

Month of Creation

March 2020.

Month of Revision

March 2023.