

Safety Data Sheet according to WHS Regulations

Printing Date: 23.09.2022

Version Number: 1.0

Revision Date: 23.09.2022

1 Identification

Product identifier:Trade name: *BPO Powder Catalyst***Relevant identified uses of the substance or mixture, and uses advised against:**

Relevant identified uses of the substance or mixture: Waterproofing.

Identified uses advised against: No further relevant information available.

Details of the supplier of the safety data sheet:**Manufacturer/supplier:**

GCP Applied Technologies (UK) Ltd
(formerly Stirling Lloyd Polychem Ltd)
Gateway
Gate Street
Dukinfield
SK16 4RU
UNITED KINGDOM

T : +44 (0)1565 633111 (Technical/Commercial enquiries)

F : +44 (0)1565 633555

De Neef Construction Chemicals BVBA
Industriepark 8,
2220 Heist-op-den-Berg,
Belgium.

Tel: +32 15 24 93 60

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GCP Australia Pty. Ltd.
14 Colebard Street West
Archerfield, Queensland 4108
Australia

Further information obtainable from: APMSDS@gcpat.com**Emergency telephone number:** After hours - Tel. No. 1800 039 008

2 Hazard(s) Identification

Classification of the substance or mixture:

Org. Perox. D H242 Heating may cause a fire.
Eye Irritation 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Repr. 1A H360D May damage the unborn child.

Label elements:**GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).**Hazard pictograms**

GHS02

GHS07

GHS08

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Signal word Danger**Hazard-determining components of labelling:**

Dicyclohexyl phthalate
Dibenzoyl peroxide

Hazard statements

Heating may cause a fire.
Causes serious eye irritation.
May cause an allergic skin reaction.
May damage the unborn child.

Precautionary statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep only in original packaging.
Keep cool.
Ground and bond container and receiving equipment.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use CO₂, powder or water spray to extinguish.
Store in a well-ventilated place.
Store locked up.
Protect from sunlight.
Store at temperatures not exceeding 25°C.
Store separately.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards:**Results of PBT and vPvB assessment:**

PBT: Not applicable.
vPvB: Not applicable.

3 Composition and Information on Ingredients

Chemical characterization: Mixture:**Description:** Mixture of substances listed below with non-hazardous additions.**Dangerous components:**

94-36-0	Dibenzoyl peroxide	Self-react. B, H241; Org. Perox. B, H241 Eye Irritation 2A, H319; Skin Sens. 1, H317	30-<50%
84-61-7	Dicyclohexyl phthalate	Repr. 1A, H360D Skin Sens. 1, H317	30-<50%

Additional information:

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication 'List of Designated Hazardous Substances' or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication 'Approved Criteria for Classifying Hazardous Substances'.

4 First Aid Measures

Description of first aid measures:**General information:** Get medical advice/attention if you feel unwell.

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After inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

After skin contact: Wash with plenty of soap and water.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Information for doctor:

Most important symptoms and effects, both acute and delayed:

May cause sensitisation by skin contact.

Irritating to eyes.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire Fighting Measures

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

Special hazards arising from the substance or mixture:

Decomposes explosively.

Products of thermal decomposition: carbon dioxide, oxygen, a mixture of benzoic acid, biphenyl, phenyl benzoate, a small amount of benzene.

Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up: Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

HANDLING

Precautions for safe handling:

Do not eat, drink or smoke when using this product.

Store in a well-ventilated place. Keep container tightly closed.

Keep only in original container.

Use only outdoors or in a well-ventilated area.

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Information about fire - and explosion protection:

Empty containers may retain hazardous residue, both liquid and vapour. Do not cut, drill, grind or weld on or near container, whether empty or full.

Conditions for safe storage, including any incompatibilities:

Only use of a suitable tool material (polyethylene, polypropylene, stainless steel).

STORAGE

Information about storage in one common storage facility: Keep respiratory protective device available.

Further information about storage conditions:

Keep container tightly sealed.

Store in a dry place.

Keep cool.

Specific end use(s): No further relevant information available.

8 Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters:

Ingredients with limit values that require monitoring at the workplace:

94-36-0 Dibenzoyl peroxide

WES (Australia)	Long-term value: 5 mg/m ³ Sen
WEL (Great Britain)	Long-term value: 5 mg/m ³
PEL (USA)	Long-term value: 5 mg/m ³
REL (USA)	Long-term value: 5 mg/m ³
TLV (USA)	Long-term value: 5 mg/m ³ A4

84-61-7 Dicyclohexyl phthalate

WEL (Great Britain)	Long-term value: 5 mg/m ³
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Additional information: Based on the lists valid at the date of SDS creation.

Exposure controls:

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands: Protective gloves.

Material of gloves: Rubber gloves.

Penetration time of glove material:

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles.

Body protection:

Use personal protective equipment as required.

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Take off contaminated clothing and wash before reuse.

9 Physical and Chemical Properties

Information on basic physical and chemical properties:

GENERAL INFORMATION

Appearance:

Form:	Powder.
Colour:	According to product specification.
Odour:	Characteristic.
Odour threshold:	Not determined.

pH-value (~) at 20 °C: 7

Change in conditions:-

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Not determined.
Flash point:	Not applicable.

Flammability (solid, gas): May cause fire.

Ignition temperature: Not determined.

Decomposition temperature: SADT = 60C

Auto-ignition temperature: Not determined.

Explosive properties: Product does not present an explosion hazard.

EXPLOSION LIMITS

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure: Not applicable.

Density at 20 °C: 0.6 g/cm³

Relative density: 630 kg/m³

Vapour density: Not determined.

Solubility in/Miscibility with:-

Water: Insoluble.

Partition coefficient: n-octanol/water: Not determined.

VISCOSITY

Dynamic: Not applicable.

Kinematic: Not applicable.

Molecular weight: Not determined.

Other information: No further relevant information available.

10 Stability and Reactivity

Reactivity:

Stable under normal conditions.

No further relevant information available.

Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions

SADT (self accelerating decomposition temperature) possible at temperature above approximately +60oC.

Vapour may form explosive mixtures with air.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products:

Carbon monoxide and carbon dioxide

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Derivatives of Benzoic acid
Hydrocarbons

Irritating, corrosive, flammable gases may be formed in a fire or decomposition.

11 Toxicological Information

Information on toxicological effects:

ACUTE TOXICITY

LD/LC50 values relevant for classification:

84-61-7 Dicyclohexyl phthalate

Dermal	LD50	30,000 mg/kg (rat)
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Primary irritant effect

Skin corrosion/irritation No irritating effect.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation Sensitisation possible through skin contact.

Additional toxicological information:

84-61-7 Dicyclohexyl phthalate

NOEC/NOEL	mg/l (daphnia magna)
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Other information :

The product was classified according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological Information

Toxicity:

AQUATIC TOXICITY

84-61-7 Dicyclohexyl phthalate

EC50, 48h	mg/l (daphnia magna)
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Biodegradability	
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Persistence and degradability: No further relevant information available.

BEHAVIOUR IN ENVIRONMENTAL SYSTEMS

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION

General notes: Not known to be hazardous to water.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Waste treatment methods:

Recommendation:



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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Refer to State Land Waste Authority for disposal considerations.

UNCLEANED PACKAGING**Recommendation:** Disposal must be made according to official regulations.**14 Transport information**

UN-Number
ADG, IMDG, IATA

UN3106

UN proper shipping name
ADG

ORGANIC PEROXIDE TYPE D, SOLID, ENVIRONMENTALLY HAZARDOUS

IMDG, IATA

ORGANIC PEROXIDE TYPE D, SOLID

Transport hazard class(es)

ADG



Class
Label

5.2 Organic peroxides.
5.2

IMDG, IATA



Class
Label

5.2 Organic peroxides.
5.2

Packing group
ADG, IMDG, IATA

Not Regulated

Environmental hazards:
Special marking (ADG):

Symbol (fish and tree)

Special precautions for user:
Hazard identification number (Kemler code):
EMS Number:
Stowage Category
Stowage Code
Segregation Code

Warning: Organic peroxides.
-
F-J,S-R
D
SW1 Protected from sources of heat.
SG35 Stow "separated from" SGG1-acids
SG36 Stow "separated from" SGG18-alkalis.
SG72 See 7.2.6.3.2.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not Regulated

Transport/Additional information:

ADG
Limited quantities (LQ)
Excepted quantities (EQ)

500 g
Code: E0
Not permitted as Excepted Quantity

Transport category
Tunnel restriction code

2
D

IMDG
Limited quantities (LQ)

500 g

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Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

15 Regulatory information

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

See Section 2 for hazard identification.

Australia: Priority Existing Chemicals

None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations: All ingredients are listed on AICS.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H241 Heating may cause a fire or explosion.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H360D May damage the unborn child.

Department issuing SDS:

EHS Department,

Asia Pacific Region

SCIP, Canlubang, Calamba City, Laguna

Philippines 4028

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Contact:

The first date of preparation: 05.03.2021

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