

Safety Data Sheet according to WHS Regulations

Printing Date: 29.09.2022

Version Number: 1.0

Revision Date: 29.09.2022

1 Identification

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

Catalyst

Waterproofing.

Identified uses advised against: No further relevant information available.**Details of the supplier of the safety data sheet:****Manufacturer/supplier:**GCP Australia Pty. Ltd.
14 Colebard Street West
Archerfield, Queensland 4108
Australia**Further information obtainable from:**

Tel: 1800 334 444

Fax: +61 7-3275-7801

APMSDS@gcpat.com

Emergency telephone number: After hours - Tel. No. 1800 039 008

2 Hazard(s) Identification

Classification of the substance or mixture:

Unst. Expl. H200 Unstable explosive.

Org. Perox. E H242 Heating may cause a fire.

Eye Irritation 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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

GHS01

GHS02

GHS07

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

Dibenzoyl peroxide

Hazard statements

Unstable explosive.

Heating may cause a fire.

Causes serious eye irritation.

May cause an allergic skin reaction.

Precautionary statements

Obtain special instructions before use.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep only in original packaging.

Keep cool.

Safety Data Sheet according to WHS Regulations

Printing Date: 29.09.2022

Version Number: 1.0

Revision Date: 29.09.2022

Trade name: *BPO CATALYST SUSPENSION*

(Contd. of page 1)

Ground and bond container and receiving equipment.

Do not subject to grinding/shock/friction.

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 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.

Explosion risk.

DO NOT fight fire when fire reaches explosives.

Evacuate area.

Store in accordance with local/regional/national/international regulations.

Store in a well-ventilated place.

Protect from sunlight.

Store at temperatures not exceeding 22°C.

Store separately.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Refer to manufacturer / supplier for information on disposal/recovery/ recycling.

Information concerning particular hazards for human and environment:

Description of Classification: Classified as hazardous according to the criteria of Safe Work Australia.

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%
---------	--------------------	---	---------

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:

CAUTION! First aid personnel must be aware of own risk during rescue! Get medical attention. Remove affected person from source of contamination. Show this Safety Data Sheet to the medical personnel.

Get medical advice/attention if you feel unwell.

After inhalation:

Rinse nose and mouth with water.

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

After skin contact:

In case of contact, immediately flush skin with soap and plenty of water.

Remove contaminated clothing and wash before reuse.

(Contd. on page 3)

AU

Safety Data Sheet according to WHS Regulations

Printing Date: 29.09.2022

Version Number: 1.0

Revision Date: 29.09.2022

Trade name: *BPO CATALYST SUSPENSION*

(Contd. of page 2)

Wash with plenty of soap and water.

After eye contact:

Rinse cautiously with water for several minutes.

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

If easy to do, remove contact lens, if worn.

Get medical attention.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Keep person under observation.

If person becomes uncomfortable seek hospital and bring these instructions.

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: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Special hazards arising from the substance or mixture:

The product increases the risk of fire and may accelerate combustion.

Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO₂). Carbon monoxide (CO). Toxic gases or vapours.

Advice for firefighters:**Protective equipment:**

Containers close to fire should be removed or cooled with water.

Wear self-contained respiratory protective device.

Additional information:

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Avoid discharge into drains.

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 clothing as described in Section 8 of this safety data sheet.

Avoid handling which leads to dust formation.

Avoid inhalation of vapours and contact with skin and eyes.

Remove persons from danger area.

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Avoid the spillage or runoff entering drains, sewers or watercourses.

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.

Dampen spillage with water. Avoid handling which leads to dust formation. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Do not close container tightly. Risk of excess pressure build-up.

(Contd. on page 4)

Safety Data Sheet according to WHS Regulations

Printing Date: 29.09.2022

Version Number: 1.0

Revision Date: 29.09.2022

Trade name: *BPO CATALYST SUSPENSION*

(Contd. of page 3)

Reference to other sections

See Section 11 for toxicological information.
See Section 12 for ecological information.
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:

Keep away from heat, sparks and open flame.
Avoid contact with skin and eyes
Avoid handling which leads to dust formation.
Use explosion proof electric equipment.
Static electricity and formation of sparks must be prevented.

Prevent formation of aerosols.

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.

Information about fire - and explosion protection:

Prevent impact and friction.

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.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Conditions for safe storage, including any incompatibilities:

STORAGE

Information about storage in one common storage facility:

Keep away from heat, sparks and open flame. Keep separate from food, feedstuffs, fertilisers and other sensitive material.
Keep containers upright. Store at temperatures not exceeding «Value in °C»°C/«Value in °F»°F. Keep away from acids, bases, reducing substances and heavy metals. Keep only in the original container.
Prevent impact and friction.

Keep respiratory protective device available.

Further information about storage conditions:

Keep container tightly sealed.

Protect from frost.

Protect from heat and direct sunlight.

Store in a dry place.

Storage class: Oxidiser storage.

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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

(Contd. on page 5)

.AU

Safety Data Sheet according to WHS Regulations

Printing Date: 29.09.2022

Version Number: 1.0

Revision Date: 29.09.2022

Trade name: *BPO CATALYST SUSPENSION*

(Contd. of page 4)

Additional information: Based on the lists valid at the date of SDS creation.

Exposure controls:

PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Use explosion-proof general and local exhaust ventilation.

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:



Safety glasses with side shield protection.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

9 Physical and Chemical Properties

Information on basic physical and chemical properties:

GENERAL INFORMATION

Appearance:

Form:	Suspension
Colour:	White.
Odour:	Slight.
Odour threshold:	Not determined.

pH-value (~): Not determined.

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: Not determined.

Auto-ignition temperature: Not determined.

Explosive properties: Extreme risk of explosion by shock, friction, fire or other sources of ignition.

EXPLOSION LIMITS

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure at 20 °C: 23.4 hPa

Density at 20 °C: 1.2 g/cm³

Relative density: Not determined.

(Contd. on page 6)

Safety Data Sheet according to WHS Regulations

Printing Date: 29.09.2022

Version Number: 1.0

Revision Date: 29.09.2022

Trade name: *BPO CATALYST SUSPENSION*

(Contd. of page 5)

Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in/Miscibility with:- Water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
VISCOSITY	
Dynamic at 20 °C:	1 mPas
Kinematic:	Not determined.
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:

SADT-(self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. Will decompose at temperatures exceeding 60°C. Contact with incompatible substances can cause decomposition at or below the SADT.

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

Possibility of hazardous reactions Self-accelerating decomposition at SADT.

Conditions to avoid:

Protect against physical damage and/or friction.
Avoid exposure to high temperatures or direct sunlight.

Incompatible materials: Keep away from acids, bases, reducing substances and heavy metals. Rust, iron and copper.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

Additional information:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Benzene. Benzoic acid.

11 Toxicological Information

Information on toxicological effects:

ACUTE TOXICITY

Primary irritant effect

Skin corrosion/irritation No irritating effect.

Serious eye damage/irritation

Causes serious eye irritation.
Causes serious eye irritation.

Inhalation: High vapor concentrations are irritating to the eyes, nose, throat, and lungs.

Ingestion: Irritating to the mouth, throat, and stomach.

Respiratory or skin sensitisation Sensitisation possible through skin contact.

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.

AU
(Contd. on page 7)

Safety Data Sheet
according to WHS Regulations

Printing Date: 29.09.2022

Version Number: 1.0

Revision Date: 29.09.2022

Trade name: *BPO CATALYST SUSPENSION*

(Contd. of page 6)

12 Ecological Information

Toxicity:

AQUATIC TOXICITY No further relevant information available.

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.

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

UN3107

UN proper shipping name
ADG

ORGANIC PEROXIDE TYPE E, LIQUID,
ENVIRONMENTALLY HAZARDOUS
IMDG ORGANIC PEROXIDE TYPE E, LIQUID (Alcohols, C12-15, eth-
oxylated propoxylated), MARINE POLLUTANT
IATA ORGANIC PEROXIDE TYPE E, LIQUID

Transport hazard class(es)

ADG, IMDG



Class
Label

5.2 Organic peroxides.
5.2

(Contd. on page 8)

AU

Safety Data Sheet
according to WHS Regulations

Printing Date: 29.09.2022

Version Number: 1.0

Revision Date: 29.09.2022

Trade name: *BPO CATALYST SUSPENSION*

(Contd. of page 7)

IATA



**Class
Label**

5.2 Organic peroxides.
5.2

**Packing group
ADG, IMDG, IATA**

I

Environmental hazards:**Marine pollutant:**

Symbol (fish and tree)

Special marking (ADG):

Symbol (fish and tree)

Special precautions for user:

Warning: Organic peroxides.

Hazard identification number (Kemler code):

-

EMS Number:

F-J,S-R

Stowage Category

D

Stowage Code

SW1 Protected from sources of heat.

Segregation Code

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)**

125 ml

Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

Transport category

2

Tunnel restriction code

D

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 components are listed or exempt from chemical inventory list.

All ingredients are listed on AICS.

Registered in the international inventory lists: AICS (Australia)**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.

(Contd. on page 9)

AU

Safety Data Sheet
according to WHS Regulations

Printing Date: 29.09.2022

Version Number: 1.0

Revision Date: 29.09.2022

Trade name: *BPO CATALYST SUSPENSION*

(Contd. of page 8)

Department issuing SDS:

EHS Department,
Asia Pacific Region
SCIP, Canlubang, Calamba City, Laguna
Philippines 4028
Tel: +63 (02) 8236-6820 to 24

Contact:**The first date of preparation:** 20.11.2017**Number of revision times and the latest revision date:** 1.0 / 29.09.2022

AU