

# SAFETY DATA SHEET

## POLYCOM COMPACTION & STABILISATION AID

Infosafe No.: LPWGU  
ISSUED Date : 26/02/2021  
ISSUED by: BIOCENTRAL LABORATORIES LTD

### 1. IDENTIFICATION

#### GHS Product Identifier

POLYCOM COMPACTION & STABILISATION AID

#### Company Name

BIOCENTRAL LABORATORIES LTD

#### Address

22 Phillips Street Thebarton  
SA 5031 AUSTRALIA

#### Telephone/Fax Number

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#### Emergency phone number

+61 433 271 589

#### Recommended use of the chemical and restrictions on use

Soil stabiliser and compaction aid. The use of the product involves significant dilution with water (1000 - 6000:1).

#### Additional Information

Polycom is approved by the Western Australian Department of Health as a compaction aid and dust suppressant within drinking water catchment areas. This approval is subject to the following conditions: That Polycom is used in accordance with the manufacturers instructions.

### 2. HAZARD IDENTIFICATION

#### GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients

Name	CAS	Proportion
Ingredients determined not to be hazardous		100 %

#### Preparation Description

Anionic Polyacrylamide

### 4. FIRST-AID MEASURES

#### Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

**Ingestion**

If ingested, do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

**Skin**

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

**Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

**First Aid Facilities**

Eyewash and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

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**5. FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media**

Use appropriate fire extinguisher for surrounding environment.

**Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes and gases.

**Specific Hazards Arising From The Chemical**

This product is non combustible. However heating can cause expansion or decomposition leading to violent rupture of containers.

**Decomposition Temperature**

Not available

**Precautions in connection with Fire**

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Emergency Procedures**

Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Use dry clean up procedures. Sweep or vacuum up material avoiding dust generation, then transfer material to a suitable container. Extremely slippery when wet. Wash surfaces well with soap and water. Seal all wastes in labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

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**7. HANDLING AND STORAGE**

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**Precautions for Safe Handling**

Avoid inhalation of dust, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Occupational exposure limit values**

No exposure standards have been established for this material, however, the TWA exposure standards for dust not otherwise specified is 10 mg/m<sup>3</sup>. As with all chemicals, exposure should be kept to the lowest possible levels.

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Source: Safe Work Australia

#### Biological Limit Values

No biological limits allocated.

#### Appropriate Engineering Controls

Use with good general ventilation. If dust is produced, local exhaust ventilation should be used.

#### Respiratory Protection

Not usually required. Industrial application: If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

#### Eye Protection

Not usually required. Industrial application: Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

#### Hand Protection

Wear gloves of impervious material such as PVC. Final choice of appropriate gloves will vary according to individual circumstances i. e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

#### Body Protection

Not usually required. Industrial application: Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Powder	Appearance	Blue/green powder
Colour	Blue/green	Odour	Slight
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	Not available	Solubility in Water	Miscible
Specific Gravity	0.8	pH	6.9 at 25°C (5000 : 1)
Vapour Pressure	Not applicable	Vapour Density (Air=1)	Not applicable
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Not available	Partition Coefficient: n-octanol/water	Not available
Flash Point	Not applicable	Flammability	Non-combustible
Auto-Ignition Temperature	Not applicable	Explosion Limit - Upper	Not applicable
Explosion Limit - Lower	Not applicable		

## 10. STABILITY AND REACTIVITY

#### Chemical Stability

Stable under normal conditions of storage and handling.

#### Reactivity and Stability

Not available

**Conditions to Avoid**

Dust accumulation and extremes of temperature.

**Incompatible materials**

Oxidising agents, bases and water

**Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes.

**Possibility of hazardous reactions**

Not available

**Hazardous Polymerization**

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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**Toxicology Information**

The available acute toxicity data is given below.

**Acute Toxicity - Oral**

Toxicity data: (Similar product)

LD50 (rat): > 5050 mg/kg

**Acute Toxicity - Dermal**

Toxicity data: (Similar product)

LD50 (rat): > 2020 mg/kg

**Ingestion**

Ingestion of product dusts may irritate the gastric tract causing nausea and vomiting.

**Inhalation**

Inhalation of dusts may irritate the respiratory system. Chronic exposure to this material may aggravate existing respiratory disorders and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure.

**Skin**

Skin contact may cause mechanical irritation resulting in redness and itching.

Data for similar product

Primary Dermal Irritation:

Primary irritation score: 0.2

Toxicity category IV

Slight irritant

**Eye**

Eye contact may cause mechanical irritation. May result in mild abrasion.

Data for similar product

Primary Eye Irritation - Nonwashed Eyes:

Toxicity category IV

Irritation score: 0.7

Practically non-irritating.

Primary Eye Irritation - Washed Eyes:

Toxicity category IV

Irritation score: 1.3

Practically non-irritating.

**Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

**STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

This product is a Anionic polyacrylamide, which means it has no systemic toxicity to aquatic organisms or micro-organisms.

**Persistence and degradability**

Not available

**Mobility**

Not available

**Bioaccumulative Potential**

Anionic polyacrylamide being totally soluble in water and insoluble in solvents has a very low octanol/water partition coefficient (Pow) and for all practical purposes: Log Pow = 0. Thus, the potential for anionic polyacrylamide to bioaccumulate is zero.

**Other Adverse Effects**

Not available

**Environmental Protection**

Prevent this material entering waterways, drains and sewers.

**Acute Toxicity - Fish**

Anionic polyacrylamide

LC50 (Brachydanio rerio):357 mg/l/96h

LC50 (Brachydanio rerio):178 mg/l/96h

(Test F242:OECD 203/GLP/report 21/12/1995)

**Acute Toxicity - Daphnia**

Anionic polyacrylamide

EC50(Daphnia magna): 212 mg/l/48h

(Test F243:OECD 202/GLP/report 21/12/1995)

**Acute Toxicity - Algae**

Anionic polyacrylamide

EC50A (I)(Chlorella vulgaris): > 1,000 mg/l/96h

EC50i (I)(Chlorella vulgaris): > 1,000 mg/l/96h

No Observed Effect Concentration (NOEC) = 708 mg/l

(Test F244:OECD 201/GLP/report 21/12/1995)

**Acute Toxicity - Bacteria**

Anionic polyacrylamide:

EC10(Pseudomonas putida):127 mg/l/18h

EC50(Pseudomonas putida):892 mg/l/18h

(F245:OECD 301F,DIN 38412-27,ISO 7027/GLP/report 21/12/1995)

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**13. DISPOSAL CONSIDERATIONS**

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**Disposal considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

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**14. TRANSPORT INFORMATION**

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**Transport Information**

Road and Rail Transport (ADG Code):

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**U.N. Number**

None Allocated

**UN proper shipping name**

None Allocated

**Transport hazard class(es)**

None Allocated

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

**Special Precautions for User**

Not available

## 15. REGULATORY INFORMATION

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**Regulatory information**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule**

Not Scheduled

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

SDS amendment: March 2021 Section 3 Composition/information on ingredients

SDS reviewed: February 2021

Supersedes: March 2016

**References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals.

Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

## END OF SDS

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