

Material Safety Data Sheet

Infosafe No™ LPWGU Issue Date : March 2011 ISSUED by BIOCENTR

Product Name **POLYCOM COMPACTION & STABILISATION AID**

Not classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name POLYCOM COMPACTION & STABILISATION AID
Company Name BIOCENTRAL LABORATORIES LTD
Address 22 Phillips Street Thebarton
SA 5031 Australia
Emergency Tel. Within Australia 0415 824 608 / Outside Australia +61 415 824 608
Telephone/Fax Number Tel: 08 8234 8886
Fax: 08 8234 8889
Recommended 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. HAZARDS IDENTIFICATION

Hazard Classification Not classified as hazardous
NON-HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Ingredients determined not to be hazardous		100 %		

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.
Ingestion Do NOT induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.
Skin Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.
First Aid Facilities Normal washroom facilities.
Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing media suitable for surrounding environment
Hazards from Combustion Products Non combustible.
Specific Hazards This product is non combustible. However heating can cause expansion or decomposition leading to violent rupture of containers.
Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Wear sufficient respiratory protection and full protective clothing to minimise skin and eye exposure Avoid inhalation. Use dry clean up procedures and avoid generating dust.
Sweep up or vacuum up, place spilled material in clean, dry, sealable labelled plastic containers for eventual disposal. Do not allow product to enter drains, waterways or sewers. If this material enters the waterways contact

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the Environmental Protection Authority, or your local waste management authority. Extremely Slippery when wet.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labelled, corrosion-resistant containers. Keep containers tightly closed. Store away from bases, water and other incompatible materials. Have appropriate fire extinguishers available in and near the storage area. Ensure that storage conditions comply with applicable local and national regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for this material, however, the TWA National Occupational Health And Safety Commission (NOHSC) exposure standards for dust not otherwise specified is 10 mg/m ³ .
Biological Limit Values	No biological limit allocated.
Engineering Controls	Not usually required. Industrial application: Provide sufficient ventilation to keep airborne levels as low as possible. Where dust are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.
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 or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - 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. 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

Appearance	Blue/green powder
Odour	Slight odour
Melting Point	Not available
Boiling Point	Not applicable
Solubility in Water	Miscible
Specific Gravity	0.8
pH Value	6.9 at 25°C (5000 : 1)
Vapour Pressure	Not applicable
Vapour Density (Air=1)	Not applicable
Flash Point	Not applicable
Flammability	Non combustible solid
Auto-Ignition Temperature	Not applicable.

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Flammable Limits - Lower Not applicable.

Flammable Limits - Upper Not applicable.

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions of storage and handling.

Conditions to Avoid Dust accumulation and extremes of temperature.

Incompatible Materials Oxidising agents.

Hazardous Decomposition Products Not available

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information Toxicity data: (Similar product)
LD50 (Oral, rat): > 5050 mg/Kg
LD50 (Dermal, rat): > 2020 mg/Kg
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.
Primary Dermal Irritation:
Primary irritation score: 0.2
Toxicity category IV
Slight irritant.

Inhalation Inhalation of product dusts may cause irritation of the nose, throat and respiratory system.

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

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

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

Chronic Effects Chronic exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure.

12. ECOLOGICAL INFORMATION

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

Persistence / Degradability Both acrylamide and sodium acrylate are readily biodegradable under aerobic conditions at over 90% in 28 days. Even at operating doses as high as 50 mg/L, the residual monomers released into the environment will never reach concentrations which could constitute a risk to the aquatic life. There high biodegradability negates the possibility of accumulation in the natural environment.

Mobility Not available

Bioaccumulative Potential Anionic polyacrylamide being totally soluble in water and insoluble in solvents has a very low octanol/water partition coefficient (P_{ow}) and for all practical purposes:
Log P_{ow} = 0

Thus, the potential for anionic polyacrylamide to bioaccumulate is zero.

Environ. Protection Prevent this material entering waterways, drains or sewers.

Acute Toxicity - Fish (Anionic polyacrylamide)
LC50/Brachydanio rerio/ 96 hours = 357 mg/L
LC50/Brachydanio rerio/ 96 hours = 178 mg/L
Test F242:OECD 203/GLP/report 21/12/1995

Acute Toxicity - Daphnia (Anionic polyacrylamide)
EC50/Daphnia magna/ 48 hours = 212 mg/L

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Acute Toxicity - Algae Test F243:OECD 202/GLP/report 21/12/1995
(Anionic polyacrylamide)
EC50A (I)/Chlorella vulgaris/ 96 hours > 1,000 mg/L
EC50 μ (I)/Chlorella vulgaris/ 96 hours > 1,000 mg/L
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/ 18 hours = 127 mg/L
EC50/Pseudomonas putida/ 18 hours = 892 mg/L
Test F245:OECD 301F,DIN 38412-27,ISO 7027/GLP/report 21/12/1995

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Dispose of waste according to applicable local and national regulations.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Regulatory Information Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), 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

Date of preparation or last revision of MSDS MSDS Reviewed: March 2011
Supersedes: July 2007
Contact Person/Point Biocentral laboratories:
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...End Of MSDS...

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