

SECTION 1: Identification of the Substance / Mixture and of the Company / Undertaking**1.1. Product Identifier**

Product name : PAC LV
Chemical name : Poly Anionic Cellulose (PAC)
CAS-No. : 9004-32-4

1.3. Details of the Distributor of the Safety Data Sheet

Company Name : GreenSol Limited
Address : #39-41 Marryat Street, San Fernando, Trinidad, West Indies
Telephone : +1(868) 225-4858
Mobile : +1(868) 720-2517
Email : sdeokiesingh@greensolltd.com

1.4. Emergency Telephone Number

Emergency Number : +1(868) 720-2517 (GREENSOL)
: +1(800) 424-9300 (CHEMTREC)

SECTION 2: Hazard Identification**Product Components:**

Name	Percentage	CAS No.	EINECS No.
Purity of sodium carboxymethyl cellulose, on dry basis	90% min.	9004-32-4	
Moisture content	2 – 9%	7732-18-5	231-791-2

Hazard Pictogram : None
Signal Word : None

SECTION 3: Composition / Information on Ingredients**Recommended Exposure Limits:**

Control as Particulate Not Otherwise Classified (PNOC) or Regulated

	OSHA PEL	ACGIH TLV*
Respirable Fraction	5 mg/m ³	3 mg/m ³
Total Dust	15 mg/m ³	10 mg/m ³

The value is for inhalable (total) particulate matter containing no asbestos.

Acute Effects of Overexposure:

Skin Contact : May cause slight irritation with prolonged contact with moistened product.
Eye Contact : Dust may cause mechanical irritation.

- Inhalation : Non-irritating to mucous membranes, however, breathing high concentration of the dust may cause mechanical irritation of the nose, throat, and upper respiratory tract.
- Ingestion : Passes through relatively inert. May cause some gastrointestinal upset. Oral LD50 > 25g/kg (rats).

Sub chronic and Chronic Effect of Overexposure:

No adverse effects have been noted in chronic feeding studies using laboratory animals and humans.

Other Health Effects:

Long term exposure to high dust concentrations may cause non-debilitating lung changes.

Health Hazard Categories:

	Animal	Human		Animal	Human
Known carcinogen	-	-	Toxic	-	-
Suspect carcinogen	-	-	Corrosive	-	-
Mutagen	-	-	Irritant	-	-
Teratogen	-	-	Target Organ Toxin	-	-
Animal Human Animal Human					
Allergic Sensitizer	-	-	Specify -No known applicable information		
Highly Toxic	-	-			

Canadian WHMIS:

Specify: Does not meet criteria for any of the above categories.

SECTION 4: First Aid Measures

- Inhalation : Move to fresh air immediately. If cough or other symptoms appear, get medical attention.
- Skin contact : Wash with plenty of water and soap while removing contaminated clothing and shoes. Wash clothing before reuse. If irritation develops or persists, get medical attention.
- Eye contact : In case of contact, immediately flush with plenty of water for at least 15 Minutes, occasionally lifting the upper and lower eyelids. If irritation persists, consult medical personnel.
- Ingestion : Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupful of milk or water. Wash mouth out with water. Get medical aid if irritation or symptoms occur.



SECTION 5: Firefighting measures

- Flash Point : Not applicable
- Flammable Limits : Not applicable
- Extinguishing Media : Water spray, foam, or Halogen
- Special Fire Fighting Procedures : In case of insufficient ventilation firefighters should wear self-contained breathing apparatus and full protective gear. Material becomes slippery when contacted with water. During fire, irritating and toxic gases may be generated by the thermal decomposition or combustion.
- Unusual Fire and Explosion Hazards : Dust/air mixtures may ignite violently upon exposure to sparks or sources of ignition.

SECTION 6: Accidental Release Measures

- General information : Use proper personal protective equipment
- Spills/Leaks : Contain and clean spilled material by vacuum or broom sweeping and remove to suitable disposal

SECTION 7: Handling & Storage

- Handling : Wash thoroughly after handling. Minimize dust generation and accumulation. Avoid contact with eyes, skin. Avoid ingestion and inhalation. Use with adequate ventilation. Keep container tightly closed.
- Storage : Store in a tightly closed container. Store in a cool, dry and well-ventilated place. Store protected from moisture. No special precautions indicated.

SECTION 8: Exposure Controls / Personal Protection

- Ventilation : Normal room ventilation is okay for limited use. Use adequate ventilation to keep airborne concentrations low.
- Respirators : A respiratory protection program that meets OSHA's 29 CFR 910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.
- Protective Clothing : Wear appropriate protective clothing and gloves to prevent skin exposure.
- Eye Protection : Wear appropriate protective eyeglasses or chemical safety goggles.

SECTION 9: Physical and Chemical Properties

Appearance and Odour	: Free-flowing white to light yellow powder
pH (1% solution)	: 6.0 ~ 8.5
Melting Point (°C)	: Not applicable
Boiling Point (°C)	: Not applicable
Bulk Density	: 300 – 900 kg/m ³
Solubility in Water	: Soluble
NFPA Rating	: Health 1; Flammability 0; Reactivity 0
Vapor Density (Air = 1)	: Not applicable
Vapor Pressure (mm Hg)	: Not applicable

SECTION 10: Stability and Reactivity

Incompatibility	: Moisture
Conditions to Avoid	: Incompatible materials, dust generation, excess heat, exposure to moist or water.
Decomposition Products	: carbon dioxide, carbon monoxide, irritating and toxic fumes and gases.
Hazardous Polymerization	: Will not occur
Chemical Stability	: stable under normal temperature and pressure.

SECTION 11: Toxicological Information

No information available

SECTION 12: Ecological Information

No information available

SECTION 13: Disposal Considerations

Must consult state and local hazardous waste regulations to ensure complete and accurate classification. Dispose of in accordance with any local, state, and federal regulations. Prevent run-off to sewers.

RCRA P-Series	: None listed
RCRA U-Series	: None listed

SECTION 14: Transportation Information

US DOT: No information available

SECTION 15: Regulatory Information

Hazard definitions as defined by the Occupational safety and Health Hazard Communication Standard (CFR Section 1910.1200) are:



---- combustion liquid ---- flammable aerosol ---- oxidizer ---- compressed gas ---- explosive
 ---- pyrophoric ---- flammable gas ---- health hazard ---- unstable
 ---- flammable liquid ---- organic peroxide ---- water reactive ---- flammable solid

Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

SARA 313

As of the preparation date, this product did not contain a chemical or chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

NFPA 704 Hazard Codes

Health: 0 Flammability: 0 Reactivity: 0 Special Hazard: -
 Signals: Least – 0 Slight – 1 Moderate – 2 High – 3 Extreme –

SECTION 16: Other Information

	Health	Fire	Reactivity
NFPA Rating	1	0	0

Notice to Reader:

This SDS provides the information contained in this document in good faith but makes no representation as to its accuracy. This document is intended solely to guide the safe handling of the material by a properly trained individual. The final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with caution. Although some hazards are described, it cannot be guaranteed that these are the only hazards that exist.

Version	Date of Change	Change Description	Responsible Person
2	23-05-2022	Updated to supplier SDS Rev. 2	Laboratory Coordinator