



Safety Data Sheet

PacRite R/LV

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier: PacRite-R or LV

Common name (s): Cellulosic Gum, Cellulose

Chemical Family: Gums, Polysaccharides

Synonyms: N/A

1.2 Manufacturer, Importer, and/or Responsible Party Information:

DrilRite-Chem LLC

702 Blackjack St

Winnsboro, TX 75494

903-262-0078

Emergency Contact Information:

CHEMTREC: 800.262.8200

1.3 Recommended Use of Chemical:

Chemical Services: Additive / Oilfield chemical/HDD chemicals. Manufacture of substances.

Use Restrictions: N/A

Section 2: HAZARDS IDENTIFICATION

2.1 OSHA Hazard Classification: 29CFR1910.1200

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard C.4.3 (29CFR 1910.1200).

Inhalation: Prolonged inhalation of dust may be irritating to the respiratory tract.

Skin Contact: May cause sticky -gumming if prolonged or repeated contact.

Eye Contact: Small particles may cause irritation to the eyes.

Ingestion: Not anticipated route of exposure. No known adverse effects.

Chronic Health Effects: None known. Not listed as a carcinogen on IARC, NTP or OSHA lists.

Medical Conditions Aggravated by Exposure: None known.

2.2 GHS Classification

GHS: H402 – Acute aquatic toxicity; H412 – Harmful to aquatic life with long lasting effects (chronic aquatic toxicity); P273 – Avoid release to the environment; P501 – Dispose of contents/container to an approved waste disposal plant.

2.3 GHS-Labeling

Not a dangerous substance according to globally Harmonized System of Classification and Labeling of Chemicals (GHS).

2.4 Carcinogenicity:

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. **ACGIH:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

2.5 Signal Word: Warning

2.6 Pictogram:



2.7 Precautionary Statement(s): May cause eye and respiratory irritation.

2.8 Description of Hazards Not Otherwise

Classified: N/A

2.9 NFPA Classification:

Health Hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical Names and Concentrations: Poly Anionic Cellulose and Carboxy Methyl Cellulose Gum and Micro Crystalline Cellulose with application specific proprietary blend.

Common Name: Cellulose Gum

Synonyms: Gums, Polysaccharides

Chemical Abstract Service (CAS) No. :

9004-32-4, 9004-34-6

Any Other Unique Identifiers: PAC, CMC, MCC

Impurities and Stabilizing Additives: None

3.2 Recommended Use of Chemical:

Chemical Services: PacRite-R or LV is used in drilling and completion operations.

Use Restrictions: N/A

3.3 Trade Secret: Is the specific chemical identify and/or exact concentration of composition withheld as a trade secret? YES

Section 4: FIRST AID MEASURES

4.1 Necessary First-Aid Instructions:

Inhalation: If inhaled, move person into fresh air. If not breathing, give artificial respiration. Get medical attention for any breathing difficulty. **Skin**

Contact: In case of skin contact, wash off with soap and plenty of water.

Eye Contact: In case of eye contact, flush eyes with water as a precaution. Get medical attention if irritation develops.

Ingestion: If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with

water. Seek medical attention. **Most Important**

Symptoms/Effects: No data available

4.2 Immediate Medical Care / Special Treatment:

Is immediate medical care or special treatment

required? No data available If so, what is

needed? No data available

Section 5: FIREFIGHTING MEASURES

5.1 Suitable Extinguishing Equipment: Use water spray, dry chemical or carbon dioxide. When mixed with water becomes slippery. Wet material creates slip hazard.

5.2 Extinguishing Equipment Not Appropriate: N/A

5.3 Specific Hazards Created from Chemical

Burning: Flammable dust when finely divided and in highly suspended state.

5.4 Special Protective Equipment Needed: N/A

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: Use appropriate protective equipment. Avoid creating and breathing dust.

6.2 Emergency Procedures: Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see Section 8.

6.3 Method(s) and Material(s) for Containment:

Sweep and shovel, and keep in suitable, closed containers for disposal. Keep away from ignition source. When in solution product can create slip hazard on smooth surface.

6.4 Cleanup Procedure(s): Sweep and shovel.

Section 7: HANDLING AND STORAGE

7.1 Handling Precautions: Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Hygiene Practices: Normal hygiene practices are sufficient.

7.3 Safe Storage Recommendations: Keep container tightly closed in a dry and well-ventilated place.

7.4 Incompatible Storage Recommendations: N/A.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 OSHA Permissible Exposure Limits (PELs):
15 mg/m³

8.2 American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs): 10 mg/m³

8.3 Exposure Limit (recommended by manufacturer, importer or employer): No Data Available

8.4 Appropriate Engineering Controls: A wellventilated area to control dust levels.

8.5 Recommendations for Personal Protective Measures: Normal work gloves and work coveralls. Wear safety glasses or goggles to protect against exposure.

8.6 Special Requirements of PPE: N/A

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid / Free Flowing Powder

Color: White, cream

Odor: Odorless

pH: 6.7

Specific Gravity @ 20°C (Water=1): 0.6-0.7

Density @ 20°C (lbs. /gallon): Not Determined

Bulk Density @ 20°C (kg/m³): 500-700

Boiling Point/Range (F): N/A

Freezing Point/Range (F): N/A

Lower Explosive Limit: 125g/m³ min.

Vapor Pressure @ 20°C (mmHg): N/A

Vapor Density (Air=1): N/A

Percent Volatiles: Not Determined

Evaporation Rate (Butyl Acetate=1): N/A

Solubility in Water (g/100ml): > 120 g/lit
Solubility in Solvents (g/100ml): Varies upon

nature of solvent

VOCs (lbs. /gallon): N/A

Viscosity, Dynamic @ 20°C (centipoise): Depends upon concentration, 2% solution yields 10-1000 cps on Brookfield LVT

Viscosity, Kinematic @ 20°C (centistokes): N/A

Partition Coefficient/n-octanol/Water: N/A

Molecular Weight (g/mole): Very high

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not Reactive

10.2 Chemical Stability: Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions: No data available

10.4 Conditions to Avoid: Avoid moisture and water contact.

10.5 Incompatible Materials: Strong oxidizing agents

10.6 Hazardous Decomposition Products: None

Section 11: TOXICOLOGICAL INFORMATION

11.1 Principle Route of Exposure: Eye or skin contact and inhalation.

Inhalation: May cause mild respiratory irritation.

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: May cause mild gastric distress.

Aggravated Medical Conditions: N/A

Chronic Effects/Carcinogenicity: Prolonged, excessive exposure to dust may cause pneumoconiosis, a lung disease caused by inhaling dust particles less than 0.5 micrometers into the lungs.

Other Information: None known.

11.2 Toxicity Tests:

Oral LD50: Rat > 16000- 27,000 mg/kg

Inhalation LC50: Rat > 5800 mg/m³

Dermal LD50: Rabbit > 2,000 mg/kg

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.

Genotoxicity: Not determined

Dermal Toxicity: Not determined

Inhalation Toxicity: Not determined

Primary Irritation Effect: Not determined

Reproductive / Developmental Toxicity: Not Determined

Section 12: ECOLOGICAL INFORMATION

12.1 Mobility (water/soil/air): No data available

12.2 Persistence/Degradability: No data available

12.3 Bioaccumulation Potential: None

12.4 Eco toxicological Information Acute

Fish Toxicity:

Toxicity to fish: LC50 – *Oncorhynchus Mykiss* (rainbow trout) > 21,000 mg/l – 96h Toxicity to daphnia and other aquatic invertebrates: EC50 – Daphnia; 87.26 mg/l – 48h

Acute Crustaceans Toxicity: Not determined

Acute Algae Toxicity: Not determined

Chemical Fate Information: Not determined

12.5 Other adverse effects: No data available

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Method: Bury in a licensed landfill according to federal, state, and local regulations.

13.2 Contaminated Packaging: Dispose of as unused product.

Section 14: TRANSPORT INFORMATION

14.1 Land Transportation:

Shipping Name: Polyanionic Cellulose (PAC)

DOT: Not restricted

Canadian TDG: Not restricted

ADR: Not restricted

14.2 Air Transportation ICAO/IATA: Not restricted

14.3 Sea Transportation IMDG: Not restricted

14.4 Other Shipping Information Labels: None

Section 15: REGULATORY INFORMATION

15.1 US Regulations:

US TSCA Inventory: All components listed on inventory.

EPA SARA Title III Extremely Hazardous substances: Not applicable **EPA SARA (311,312)**

Hazard Class: None **EPA SARA (313) Chemicals:** This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372).

EPA CERCLA/Superfund Reportable Spill Quantity for This Product: Not Applicable **EPA RCRA**

Hazardous Waste Classification: If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the EPA.

California Proposition 65: Components listed do

not apply to the California Proposition 65 regulation.

MA Right-to-Know Law: One or more components listed.

NJ Right-to-Know Law: Does not apply. **PA Right-to-Know Law:** One or more components listed.

15.2 Canadian Regulations:

Canadian DSL Inventory: All components listed on inventory.

WHMIS Hazard Class: Non-Controlled

Section 16: OTHER INFORMATION

16.1 Additional Information: For additional information on the use of this product, contact your local DrilRite-Chem LLC representative.

Preparation Information:

DrilRite-Chem LLC
903-262-0078

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