



SAFETY DATA SHEET

SDS Version: 1
Revision Date: 05/28/19

Zhejiang Fenghong New Material Co. Ltd.

HECTGEL RD

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HECTGEL RD

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE: Rheology Modifier

Restrictions on use of this material has not been determined.

SUPPLIER

Palmer Holland
25000 Country Club Boulevard
North Olmstead, Ohio 44070
Phone: 800-635-4822

For product inquiries:
info@palmerholland.com

Chemical emergency ONLY (spill, leak, fire, exposure or accident)

EMERGENCY TELEPHONE NUMBER(S)

CHEMTREC, 24-hour - USA:	800-424-9300
CHEMTREC, 24-hour - International:	+1 703-527-3887

2. HAZARDS IDENTIFICATION

Health Hazards: Not classified

Physical Hazards: Not classified

Environmental Hazards: Not classified

OSHA Defined Hazards: Not classified

Label Elements:

Hazard Signal: None

Signal Word: None

HAZARD STATEMENT

The substance does not meet the criteria for classification.

PRECAUTIONARY STATEMENT(S)

Prevention: Not available

Response: Not available

Storage: Not Available

Disposal: Not Available

Other Hazards: Material can be slippery when wet



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3. COMPOSITION / INFORMATION ON INGREDIENTS

Non-Hazardous Component

Chemical Name	Wt. %	CAS
Silicic Acid, Lithium Magnesium Sodium Salt	100%	53320-86-8

4. FIRST AID MEASURES

GENERAL ADVICE: Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

INHALATION: IF INHALED. remove person to fresh air. Call a physician if symptoms develop or persist.

SKIN: Wash off with soap and water. Get medical attention if irritation develops and persists.

EYES: Flush eyes with water as a precaution. Get medical attention if irritation develops or persists.

INGESTION: Rinse mouth. Get medical attention if symptoms occur. If ingestion of a large amount does occur, seek medical attention.

Most important symptoms and effects, both acute and delayed: No information available.

5. ADVICE FOR FIREFIGHTERS

SUITABLE EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread fire.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: The product itself does not burn. No unusual fire or or explosion hazards noted. Material can be slippery when wet.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Wear self-contained breathing apparatus and protective gear.

FURTHER INFORMATION: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

For non-emergency personnel:

Wear all appropriate Personal Protective Equipment (see Section 8), including respiratory protection. Keep people away from and upwind of spill/leak. See section 12 for more information.

For emergency responders:

Use personal protection recommended in Section 8 of SDS. See also information in "For non-emergency personnel." Remove all ignition sources. Keep nonessential personnel away from the contaminated area.



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ENVIRONMENTAL PRECAUTIONS: Avoid run-off into storm sewers and ditches that lead to waterways. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains, inform respective authorities.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Take precautionary measures against static discharges. Do not create a powder cloud by using a brush or compressed air. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear all appropriate Personal Protective Equipment (PPE) (see Section 8). Avoid formation of respirable particles. Do not breathe vapors/dust. Avoid exposure – obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Provide for appropriate exhaust ventilation and dust collection at machinery. Minimize dust generation and accumulation. Routing housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Avoid dust formation. Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep product and empty container away from heat and sources of ignition. Store away from incompatible materials (see Section 10 of the SDS).

ADDITIONAL STORAGE: Not required under normal use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

Description	Control parameters
US OSHA PEL	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
US OSHA TWA	50 mpccf (total dust) 5 mg/m ³ (respirable fraction) 15 mppcf (respirable fraction)
US ACGIH TWA	10 mg/m ³ (inhalable fraction) 3 mg/m ³ (respirable fraction)

APPROPRIATE ENGINEERING CONTROLS: Maintain adequate engineering controls and/or ventilation to keep hazardous ingredients below their statutory limits. Use an approved respirator whenever exposure limits are exceeded.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE)

RESPIRATORY: Unless air monitoring demonstrates vapor/mist/dust levels are below the PEL/TLV wear a properly fitted respirator (NIOSH/OSHA approved) or effective dust mask during exposure.

HAND PROTECTION: Neoprene gloves, protective gloves

EYES AND FACE: Safety glasses.



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SKIN AND BODY PROTECTION: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place.

HYGIENE MEASURES: HD not breathe dust. Avoid contact with eyes. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Powder

COLOR: White

ODOR: Odorless

ODOR THRESHOLD: Not applicable

pH: No data available

MELTING POINT/RANGE: No data available

BOILING POINT/RANGE (°C): No data available

FLASH POINT: Not applicable

EVAPORATION RATE: Not applicable.

FLAMMABILITY (SOLID, GAS): Not applicable

IGNITION TEMPERATURE: Not applicable

UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS: Not applicable

VAPOR PRESSURE (25 °C): Not applicable

VAPOR DENSITY: Not applicable

RELATIVE DENSITY (25.2 °C): No data available.

BULK DENSITY (kg/m³): No data available

WATER SOLUBILITY (g/l) at 20 °C: Insoluble, forms a colloid gel

N-OCTANOL/WATER (log Po/w): No data available.

AUTOIGNITION TEMPERATURE: Not applicable

DECOMPOSITION TEMPERATURE: Not applicable

VISCOSITY, DYNAMIC (mPa s): Not applicable

EXPLOSIVE PROPERTIES: Not applicable

OXIDIZING PROPERTIES: No data available.



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10. STABILITY AND REACTIVITY

REACTIVITY: No dangerous reaction known under conditions of normal use.

CHEMICAL STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Avoid spread of dust. Contact with incompatible materials. Avoid dispersal of dust in the air (e.g. clearing dust surfaces with compressed air). Exposure to air or moisture over prolonged periods.

POSSIBILITY OF HAZARDOUS REACTIONS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: No dangerous reaction known under conditions of normal use. No hazardous decomposition products are known.

INCOMPATIBLE MATERIALS: None known

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

ACUTE TOXICITY: No data available

SKIN CORROSION/IRRITATION: No data available

SERIOUS EYE DAMAGE/IRRITATION: May irritate eyes.

RESPIRATORY OR SKIN SENSITISATION: No data available.

GERM CELL MUTAGENICITY: Not classified OECD 471, 476.

CARCINOGENICITY: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA

REPEATED DOSE TOXICITY: Not classified

EXPERIENCE WITH HUMAN EXPOSURE:

INHALATION: Symptoms: dust particles may cause irritation of the respiratory tract.

SKIN CONTACT: Symptoms: contact may cause irritation.

EYE CONTACT: Symptoms: contact may cause irritation.

INGESTION: Symptoms: Ingestion will probably cause irritation of the digestive tract.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not expected to be harmful to aquatic organisms. This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

PERSISTENCE AND DEGRADABILITY:

Biodegradability: No data available.

BIOACCUMULATIVE POTENTIAL: No data available.



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MOBILITY IN SOIL: No data available.

OTHER ADVERSE EFFECTS:

Additional Ecological Information: No data available.

13. DISPOSAL CONSIDERATIONS

EPA HAZARDOUS WASTE CODE(S): Not applicable.

PRODUCT DISPOSAL: Disposal should be in accordance with applicable regional, federal and local laws and regulations. Do not contaminate ponds, waterways or ditches with chemical or used container.

PACKAGING DISPOSAL: Empty containers should be taken to an approved waste handling site for recycling or disposal in accordance with applicable regional, federal and local laws and regulations.

14. TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION GROUND (49 CFR): Not regulated

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): Not Regulated

INTERNATIONAL MARITIME DANGERS GOODS (IMDG): Not Regulated

15. REGULATORY INFORMATION

EPCRA – EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT

This material is not known to be a Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. EPA CERCLA Hazardous Substances (40 CFR 302): Not listed

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

304 EMERGENCY RELEASE NOTIFICATION: Not regulated.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): Not regulated

311/312 HAZARD CATEGORIES: Not listed

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 REPORTABLE INGREDIENTS: Not regulated

CLEAN AIR ACT

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

NON-VOLATILE (WT): No data available



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THE COMPONENTS OF THIS PRODUCT ARE REPORTED IN THE FOLLOWING INVENTORIES:

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: We certify that all of the components of this product are either listed on the TSCA inventory or are not subject to the notification requirements per 40 CFR 720 30 (h).

16. OTHER INFORMATION

Details of the manufacturer of the product:

Manufacturer: Zhejiang Fenghong New Material Co. Ltd.
Address: Tangpu Developing Zone, Anji County, Zhejiang Province, China. P.C.313300
E-mail: Bentonite@zjfenghong.com
Telephone: +86-571-63806068, 63711876
Fax: +86-571-63751569, 63806098

ABBREVIATIONS AND ACRONYMS:

ACGIH - American Conference of Governmental Industrial Hygienists
CAS - Chemical Abstracts Service
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
CFR - Code of Federal Regulations
DOT - Department of Transportation
GHS - Global Harmonized System
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
ICAO - International Civil Aviation Organization
IMDG - International Maritime Dangerous Goods
IMO - International Maritime Organization
LD50 - Lethal Dose, 50%
NIOSH - The National Institute for Occupational Safety and Health
OECD - Organization for Economic Co-operation and Development
OSHA - Occupational Safety and Health Administration
PMCC - Pensky-Martens Closed Cup
PPE - Personal Protective Equipment
NTP - National Toxicology Program
RQ - Reportable Quantity
SARA - Superfund Amendments and Reauthorization Act
SDS - Safety Data Sheet
STOT - Specific Target Organ Toxicity
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average



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MANUFACTURER DISCLAIMER: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process is the responsibility of the user.