Material Safety Data Sheet

According to Commission Directive 23/01/2016/EC

Section 1: Identification Of Product

Trade Mark: Run Sheng HEC
Chemical Description: Hydroxy Ethyl Cellulose
CAS Number: 9004-58-4
Manufacturer/Supplier: Tianjin Runsheng cellulose Science and technology Co.,Ltd
Carpet Industrial Garden, Cuihuangkou Town, Wuqing District, Tianjin, China.

Tel: +86-022-29572680
Fax: +86-022-29575599

Emergency Telephone Number
24-Hour Emergency Contact 86 159 0027 9093

Section 2: Hazards Identification

Caution:
Wet floors on which this powder is split may become very slippery.
This power when dispersed in air represents an explosion hazard. Avoid temperatures above 200°C (392°F)
Short Term Exposure No permanent effects on humans known from discontinuous
Short-term exposure when used as directed.
Long Term Exposure No permanent effects on humans known from discontinuous long-term exposure when used as directed.
Ecology No long-term ecological effects.

Section 3: Information on Ingredients

This product is to be considered as a substance in conformance to EC directives information on hazardous ingredients
EINECS No.: Unlisted
Hazard Symbols: None listed
Risk Phrases: None listed

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: >150°C (302°F)

Flash Points: Closed cup: >150°C (302°F)

Flammable Limits: Lower: 0.6% Upper: 0.8%

Products of Combustion: These products are carbon oxides(CO, CO2), sulfur oxides (SO2, SO3...), halogenated compounds, hydrogen chloride. Some metallic oxides.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Material in powder form, capable of creating a dust explosion.

Special Remarks on Explosion Hazards: Fine dust clouds may form explosive mixtures with air.

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7.:Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents.

Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Powdered solid.)

Odor: Characteristic (slight)

Taste: Not available.

Molecular Weight: Not available.

Color: White.

pH (1% soln/water): Not available.

Boiling Point: Not available.

Melting Point: Decomposes.

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: The highest known value is 0.1 kPa (1mmHg) (at 20 ℃) (sodium chloride).

Vapor Density: Weighted average: 1.57 g/cm3

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. **Coeff**.: Not available.

Lonicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility: Easily soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.
Toxicity to Animals: Acute oral toxicity (LD50): 27000 mg/kg [Rat].
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Not available.
Special Remarks on other Toxic Effects on Humans: Nuisance dust.

Section 12: Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Disposal Waste incineration or special disposal with the approval of the responsible local authority.
EWC Classification 07 07 99

Section 14: Transport Information

DOT Classification: Not a DOT controlled material.
Identification: Not applicable.
Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Other Regulations: Not available.
DSCL (EEC): R36/38- Irritating to eyes and skin.
HMIS :
Health Hazard: 2
Fire Hazard: 1
Reactivity: 0
Personal Protection: E
National Fire Protection Association :
Health: 2
Flammability: 1

Reactivity: 0

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles

Section 16: Other Information

Update information Upgraded SDS to 2016/58/EC status
Additional Information Further information and reference on the safety aspects of the product may be obtained from:
Tianjin Runsheng Cellulose Science and Technology Co., Ltd
R&D. Department. (0086-022-29572680)

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