

MATERIAL SAFETY DATA SHEET

Section 1: Identification

Product Name: Hunt Process HPS-R, water-reducing, set-control admixture for concrete

Company: Hunt Process Corp.-Southern
Post Office Box 688
138 North Wheatley Street
Ridgeland, MS 39158
PH: 601-856-8811

Emergency Number: CHEMTREC
800-424-9300

Section 2: Hazard Identification

Emergency Overview: Not Classified as Hazardous

Section 3: Composition /Information on Ingredients

Components	EINECS No.	CAS Number	%
Calcium Lignosulfonates	Exempt Polymer	8061-52-7	>=30
Sodium Lignosulfonates	Exempt Polymer	8061-51-6	<=23
Water		7732-18-5	<=47

Any concentration shown as a range is to protect confidentiality or is due to batch variation. Although the precise composition of this product is proprietary information, a complete disclosure will be provided to medical personnel in the event of a medical emergency.

There are no additional ingredients, within the current knowledge of the supplier and in the concentrations applicable, which are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Eye Contact: Flush eyes immediately with large amounts of potable water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention immediately. Any chemical burn must be treated promptly by a physician.

Skin Contact: Remove contaminated clothing and shoes. Flush contaminated skin with water for at least 15 minutes. Any chemical burn must be treated promptly by a physician. Wash clothing and clean shoes before reuse.

Inhalation: Remove victim from exposure source into fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately. If victim is not breathing, or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If victim is unconscious, place in recovery position, maintain an open airway, and loosen any tight clothing such as a collar, tie, belt or waistband.

Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed, give victim small quantities of water to drink. STOP if the victim feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If victim is unconscious, place in recovery position, maintain an open airway, and loosen any tight clothing such as a collar, tie, belt or waistband.

Section 5: Fire Fighting Measures

Extinguishing media: Not applicable.

Improper Extinguishing Media: Not applicable.

Special fire fighting procedures: None.

Fire and Explosion Hazards: None.

Section 6: Accidental Release Measures

Personnel Precautions: Use personal protection recommended in Section 8.

Environmental precautions: Prevent infiltration of spilled material and runoff into soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up: Stop leak. Dilute spill with water and mop up. Alternatively, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7: Handling and Storage

Handling Precautions: Material has low toxicity, therefore risk of damage is limited in normal handling. No special precautions required. Normal handling or minor release is not expected to be hazardous. Observe normal care and good working hygiene when handling product.

Advice on general occupational hygiene: Eating and drinking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating and drinking. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Store in an area with secondary containment to avoid environmental contamination.

Precaution: If material freezes, agitate before use.

Section 8: Exposure Controls/Personal Protection

OSHA PELV: None established.

Respiratory Protection: Use proper equipment as needed to prevent breathing spray mist.

Ventilation: Adequate local or mechanical to reduce mist/vapor to >TLV.

Protective Gloves: Impervious gloves, chemical resistant such as neoprene or nitrile, should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye/face Protection: If contact is possible, use chemical splash goggles and/or face shield.

Clothing: Impervious apron, work boots, and clothing to protect skin from contact are recommended where splashing may occur.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	Specific Gravity (25 C):	1.195
Color:	Brown	Odor:	Slight
Melting Point:	Not Applicable	pH (3% Soln.):	5-6
Boiling Point:	104□ C.	Bulk Density (g/ml):	Not Applicable
Freezing Point (C):	-2□ C.	Dry Matter, %:	51-55
% Volatiles By Weight	60-65 (water)	Water/Oil Dist. Coeff.:	100% in water
Vapor Pressure (mm Hf):	14.2 @20□ C.	Solubility in Water:	100% Soluble
Vapor Density(Air=1):	1.21 @20□ C.	Evaporation Rate:	Normal 0.4(water)

Section 10: Stability and Reactivity

Stability: Material is stable.

Hazardous Decomposition Products: Typical combustion products.

Conditions to avoid: None known.

Incompatible materials: Contact with strong oxidizing agents.

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

ACUTE (SINGLE EXPOSURE) TOXIC TESTS. PRODUCT/SIMILAR PRODUCT

Route of exposure	Value/unit	Species
Oral LD50	>.5,000 mg/kg	Rat

Skin Contact: Not Classified as irritating to skin.**Eye Contact:** Not Classified as eye irritant.**Sensitization to Material:** None known.**CHRONIC TOXICITY:** Product/ Similar Product**Carcinogen Listings:** Not a carcinogen.**Mutagenicity:** None Known.

Section 12: Ecological Information

PRODUCT/ SIMILAR PRODUCT

Biological oxygen demand (BOD): 0.14 lbs BOD/lb of solids. Partially biodegradable.**Chemical oxygen demand (COD):** 0.49 lbs COD/lb of solids

Section 13: Disposal Considerations

Dispose of in accordance with all applicable local, state and federal regulations.

Recommendation: Dispose at permitted RCRA waste disposal facility.

Section 14: Transport Information

Lignin Liquor, Class 55, Non-hazardous, Not regulated. Always transport in closed containers that are upright and secure.

Section 15: Regulatory Information

United States Toxic Substance Control Act (TSCA) Included

Section 16: Other Information

The information accumulated is based on data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data may become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. No warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Hunt Process Corp.-Southern assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material. This MSDS has been prepared by Hunt Process Corp.-Southern (601-856-8811). Revision Date: November 13, 2014.

Health – 0**Flammability – 0****Reactivity – 0**