

Safety Data Sheet

Export - Neo Salt Saturation Modifier Pack E0104-350-017

QUICK IDENTIFIER (See Section 1)

SECTION 1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the Substances or Preparation

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| Product: | Neo Salt Saturation Modifier Pack, P/N E0104-350-017 | | |
| Synonyms: | None | | |
| Chemical Family: | Blend of Lignosulfonate and polymers | | |
| Application: | Blend of cement retarder, fluid loss additive, and cement dispersant to be mixed with cement slurry and used in salt saturated brine wells | | |
| Manufacturer's name: | NeoProducts, LLC | | |
| Address: | 1201 Dealers Ave. | Emergency Telephone #: | 504-731-1011 |
| City, State, Zip: | Harahan, LA 70123 | e-mail: | info@NeoProducts.net |
| Signature of person responsible for preparation (Optional): | JV Carisella | After hours calls will be answered by answering service. | |
| | | Date Prepared: | January 2012 |

SECTION 2- HAZARD IDENTIFICATION

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| Risk Phrases: | N/A |
| Hazard Overview: | May cause eye and respiratory irritation. Airborne dust may be explosive. |

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

| Component(s) [chemical and common name(s)] | % OPT. | Time Weighted Average (inhalable dust) | Time Weighted Average (respirable dust) | CAS No. |
|---|---------------------|--|--|-----------|
| Cement Slurry Retarder, DTI #2117 | 10.0 – 16.0 wt % | N/A | N/A | 8061-51-6 |
| Suspension Agent, DTI #2099 | 0.5 – 4.0 wgt % | N/A | N/A | |
| Sodium Chloride | 70.0 – 85.0 wt % | N/A | N/A | |
| Friction Reducer, DTI #4244 | 0.5 – 4.0 wgt % | N/A | N/A | 9084-06-4 |

SECTION 4- FIRST AID MEASURES

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| Inhalation: | If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult. |
| Ingestion: | Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person. |
| Skin: | Wash with soap and water. |
| Eyes: | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists. |
| Notes to physician | N/A |

SECTION 5- FIRE FIGHTING MEASURES

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| Suitable Extinguishing media: | Water fog, carbon dioxide, foam, dry chemical. |
| Unsuitable Extinguishing media: | None known. |
| Special Exposure Hazards: | Decomposition in fire may produce toxic gases. Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential. |
| Special protective equipment for fire-fighters: | Full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece required for fire fighting personnel. |

SECTION 6- ACCIDENTAL RELEASE MEASURES

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| Personal precautionary measures: | Use appropriate protective equipment. |
| Environmental precautionary measures: | None known. |
| Procedure for cleaning/absorption: | Scoop up and remove. |

SECTION 7- HANDLING AND STORAGE

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| Handling precautions: | Avoid contact with skin and eyes. Avoid creating or inhaling dust. Avoid dust accumulations. |
| Storage Information: | Keep container closed when not in use. Keep from freezing. Product has a shelf life of 24 months. |

SECTION 8- EXPOSURE CONTROLS/ PERSONAL PROTECTION

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| Engineering controls: | Use in a well ventilated area. |
| Respiratory protection: | Not normally necessary. |
| Hand protection: | Use normal work gloves. |
| Skin protection: | Normal work coveralls. |
| Eye protection: | Chemical goggles; also wear a face shield if splashing hazard exists. |
| Other precautions: | None known. |

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State: Powder | Color: Brown | Odor: Slight | PH : 5.0 (+/-1) @ 10 % | Molecular Weight (g/mole): Not Determined |
| Vapor Density (Air=1): Not Determined | Decomposition Temperature (C): Not Determined | Vapor Pressure @ 20 C (mm HG): Not Determined | Specific Gravity @ 20°C (H₂O=1): 0.55 | Percent volatiles : Not Determined |

| | | | | |
|--|--|---|--|---|
| Flash Point/Range (C): Not Determined | Flash Point Method: Not Determined | Pour point/Range (C): Not Determined | Freezing Point/Range (C): >130 | Boiling Point/Range (C): Not Determined |
| Density @ 20°C (kg/l): Not Determined | Bulk Density @ 20°C (kg/m³): 550 | Autoignition temperature (C): >150 | Flammable Limits in Air – Lower (g/m³): Not Determined | Flammable Limits in Air – Lower (%): Not Determined |
| Flammable Limits in Air – Upper (g/m³): Not Determined | Flammable Limits in Air – Upper (%): Not Determined | Evaporation Rate (Butyl Acetate=1): Not Determined | Solubility in Water (g/100ml): Soluble | Solubility in Solvents (g/100ml): Not Determined |
| VOCs (g/l): Not Determined | Viscosity, Dynamic @ 20 C (centipoise): Not Determined | Viscosity, Kinematic @ 20 C (centistokes): Not Determined | Partition Coefficient/n-Octanol/Water: Not Determined | |

SECTION 10- STABILITY AND REACTIVITY

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| Stability Data: Stable | Hazardous Polymerization: Will not occur | Conditions to avoid: None known | Incompatibility (Materials to avoid): Strong oxidizers | Hazardous Decomposition or Byproducts: Oxides of sulfur. Carbon monoxide and carbon dioxide. | Additional Guidelines: N/A |
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SECTION 11- TOXICOLOGICAL INFORMATION

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| Principle route of exposure: | Eye or skin contact, inhalation. |
| Inhalation: | None known. |
| Skin Contact: | Not irritating to skin in rabbits. |
| Eye Contact: | May cause mild eye irritation. |
| Ingestion: | None known. |
| Medical conditions aggravated by exposure: | None known. |
| Chronic effects/ Carcinogenicity: | No data available to indicate product or components present at greater than 1% are chronic health hazards. |
| Other Information | None known. |
| Toxicity Tests: | |
| Oral Toxicity: | LD50: > 15000 mg/kg (Rat) |
| Dermal Toxicity: | Not Determined |
| Inhalation Toxicity: | Not Determined |
| Primary Irritation Effect: | Not Determined |

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| Carcinogenicity: | Not Determined |
| Genotoxicity: | Not Determined |
| Reproductive/Developmental Toxicity: | Not Determined |

SECTION 12- ECOLOGICAL INFORMATION

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| Mobility (water/air/soil): | Not Determined |
| Persistence/ Degradability: | Inherently biodegradable. |
| Bio-Accumulation: | N/A |
| Ecotoxicological Information: | |
| Acute Fish Toxicity: | Not classified as toxic to fish (OECD 203) |
| Acute Crustaceans Toxicity: | TLM96: > 3300 ppm (Crangon crangon) |
| Acute Algae Toxicity: | Not Determined |
| Chemical Fate Information: | Not Determined |
| Other Information: | N/A |

SECTION 13- DISPOSAL CONSIDERATIONS

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| Disposal Method: | Bury in a licensed landfill according to local regulations. |
| Contaminated Packaging: | Follow all applicable national or local regulations. |

SECTION 14- TRANSPORT INFORMATION

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| Land Transportation: ADR – Not restricted |
| Air Transportation: ICAO/IATA – Not restricted |
| Sea Transportation: IMDG – Not restricted |
| Other Shipping Information: Labels: None |

SECTION 15- REGULATORY INFORMATION

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| EC Supply labeling Requirements: | This product is not subject to the labeling requirements of EC Directives 67/548/EEC and 88/379/EEC as amended. |
| Classification: | Not classified |
| Risk Phrases: | None. |
| Safety Phrases: | None. |
| EINECS inventory | This product, and all its components, complies with EINECS |
| Germany, Water Endangering Classes (WGK) | WGK 1: Low hazard to waters. |

SECTION 16- ADDITIONAL INFORMATION:

This product is intended for the stated application only. Do not use this product for any other applications without first obtaining guidance from an approved NeoProducts representative, beforehand.

If this product is for resale, make sure the purchaser receives a copy of this safety data sheet upon acceptance of this preparation. Make sure the employees of your company are aware of the hazards, both chronic and acute, before allowing them to use this product.

The information contained in this Material Safety Data Sheet is believed to be correct and reflects our best professional judgment. Because it is impossible to anticipate every condition under which this product will be used, this Material Safety Data Sheet shall only be used as a guide. It is imperative that each user of this product determines its suitability for his particular application and comply with all environmental and workplace regulations.

Disclaimer Statement:

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