



MATERIAL SAFETY DATA SHEET

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1-613-996-6666 – CANUTEC – Transportation Emergency
1-888-243-9771 – ChExSS – Chemical Exposure

FED SEAL

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: FED SEAL
Chemical Family: Mixture
WHMIS Classification: Not controlled
Workplace Hazard: Caution! May cause mechanical irritation of eyes, skin and respiratory tract. Long term inhalation of particulates may cause lung damage.

Product Use: Lost circulation material
TDG Classification: Not regulated
Packaging Group: Not applicable
PIN: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

| Ingredients | Percent | CAS Number | LD ₅₀ (Species/Route) | LC ₅₀ (Species/Route) |
|---------------------------------------|---------|------------|----------------------------------|----------------------------------|
| Contains no WHMIS controlled products | | | | |

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: May cause mechanical irritation to eyes and skin and when inhaled. May cause gastric distress, nausea and vomiting if ingested.

Effects of chronic exposure: Long term inhalation of particulate can cause irritation, inflammation and/or permanent injury to the lungs. Illnesses such as pneumoconiosis ("dusty lung"), pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma may develop.

Exposure limits: Not available

Irritancy of product: May can cause eye, skin and respiratory tract irritation.

Sensitization to product: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Teratogenicity: Not available

Mutagenicity: Not available

Name of toxicological synergistic products: Not available



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SECTION IV: FIRST AID MEASURES

Skin contact: Wash skin thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if any discomfort continues.

Eye contact: Promptly wash eyes with lots of water while lifting eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Inhalation: Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Dilute with 2 - 3 glasses of water or milk, if conscious. Never give anything by mouth to an unconscious person. If signs of irritation or toxicity occur seek medical attention.

SECTION V: PHYSICAL DATA

Physical state: Solid

Appearance and odour: Brownish red fibers /flakes. Cedar odour.

Odour threshold: Not determined.

Specific gravity: 0.58

Vapor pressure (mmHG): Not applicable

Vapor density (Air=1): Not applicable

Evaporation rate: Not applicable

Boiling point (°C): Not determined

Freeze/Melting point (°C): Not determined

pH: Not determined

Co-efficient of water/oil distribution: Insoluble in water



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SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Non flammable

Means of extinguishing: Water fog, carbon dioxide, foam, dry chemical.

Flash point: 177°C / 350°F (PMCC)

Upper flammable limit: Not determined

Lower flammable limit: Not determined

Auto-ignition temperature: Not determined

Hazardous combustion products: Oxides of: Carbon.

Explosion data-sensitivity to mechanical impact: Not determined

Explosion data-sensitivity to static discharge: Particulate may accumulate static electricity. Dusts at sufficient concentrations can form explosive mixtures with air.

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Stable

Product incompatible with: Oxidizers

Conditions of reactivity: None known

Conditions to avoid: Keep away from heat, sparks and flames.

Hazardous decomposition products: None known



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SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Dust resistant safety goggles. Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear chemical resistant gloves such as: Neoprene. Nitrile. All respiratory protection equipment should be used within a comprehensive respiratory protection program that meets the requirements of 29 CFR 1910.134 (U.S. OSHA Respiratory Protection Standard) or local equivalent. If exposed to airborne particles of this product use at least a NIOSH-approved N95 half-mask disposable or re-useable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half-mask disposable or re-useable particulate respirator.

Specific engineering controls: Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to ensure air contamination and keep workers exposure below the applicable limits.

Procedures for leak/spills: Evacuate surrounding area, if necessary. Wet product may create a slipping hazard. Contain spilled material. Avoid the generation of dust. Sweep, vacuum, or shovel and place into closable container for disposal. Do not allow to enter sewer or surface and subsurface waters.

Waste disposal: Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Waste must be disposed of in accordance with federal, provincial/state and local laws.

Handling procedures and equipment: Put on appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid generating or breathing dust. Product is slippery if wet. Use only with adequate ventilation. Wash thoroughly after handling.

Storage requirements: Store in well ventilated area. Keep container closed. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: June 5, 2009

Prepared by: Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.