

MATERIAL SAFETY DATA SHEET

MINESEAL[™]

**THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCTS OR
THE TRANSPORTATION DANGEROUS GOODS REGULATIONS**

SECTION 1. MATERIAL IDENTIFICATION

TRADE NAME: MineSeal

CHEMICAL FAMILY: Water suspension of petroleum derived hydrocarbons (polymer modified emulsified asphalt) and inert fillers.

MATERIAL USE: Protective Coating

T.D.G. CLASSIFICATION: NON REGULATED

WHIMIS CLASSIFICATION: NON REGULATED

SECTION 2. HAZARDOUS INGREDIENTS

COMPONENT	CAS#	% (BY MASS)	LC50 (ppm) (rat inhal)	LD50 (mg/kg) (rat oral)
Complex mixture of bitumens	n/a	40-70	n/a	n/a
anionic surfactants	n/a	0.5-2.0	n/a	n/a
water	7732-18-5	30-60	n/a	n/a
Polymer dispersion		5-25	n/a	n/a

SECTION 3. PHYSICAL PROPERTIES

Odour and appearance: Brown liquid, slight resinous odour.

Odour threshold: n/a

Specific gravity: 1.00 (approx.).

Coefficient of water/oil distribution: n/a

Vapour pressure (mm Hg): 17 @20°C (water)

Boiling point: 100°C (water)

Freezing point: 0°C

pH: 7-13

Vapour density (air = 1): >1

Evaporation rate (nBuAcetate = 1): <1

Volatiles %: 40-60 (water)

Solubility in water: partially soluble

SECTION 4. FIRE & EXPLOSION DATA

Means of extinction: n/a

Sensitivity to mechanical impact/static discharge: n/a

Flash point (method): n/a (non-combustible)

Upper flammable limits % : n/a

Lower flammable limits % : n/a

Autoignition temperature: n/a

Special fire fighting instructions: n/a

Unusual fire and explosion hazards: Product will not burn but may splatter if temperature exceeds the boiling point.

SECTION 5. REACTIVITY DATA

Chemical stability: Stable

Incompatible materials: Will react with alkaline sensitive materials such as acids and certain metals. Avoid contact with reactive metals such as aluminium or magnesium (call for details)

Hazardous decomposition products: Avoid heating above 200°C. At elevated temperatures hazardous vapours can be released, including carbon monoxide, hydrogen chloride, organic acids and aldehydes.

Hazardous polymerization: Will not occur.

SECTION 6. HEALTH INFORMATION

Exposure limit: n/a

Inhalation: n/a

Skin: adhesion

Eyes: adhesion, irritation.

Ingestion: Blockage of digestive and/or respiratory tract.

Chronic effects: n/a

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: n/a

Skin: This is an alkaline product. If splashed on the skin immediately wash thoroughly with fresh water. If the product has dried on the skin massage the area with medical grade mineral oil, baby oil or edible oil, then wash with soap and water. If irritation persists seek medical attention..

Eyes: Flush thoroughly with fresh water for at least ten minutes. Seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. Seek medical attention.

SECTION 7. SPILL PROCEDURES

In the event of a spill: Dike and contain, transfer to containers for recovery or disposal. Keep out of sewers.

Waste disposal method: Follow federal, provincial and local regulations regarding disposal.

SECTION 8. SPECIAL PROTECTION

Respiratory protection: n/a

Ventilation: n/a

Protective gloves: Recommended

Eye protection: safety glasses/splash goggles recommended

Other protective equipment: Long sleeves, loose clothing recommended.

SECTION 9. SPECIAL PRECAUTIONS

Storage and handling conditions: Keep containers tightly closed when not in use. KEEP FROM FREEZING.

Special shipping information: Not regulated by the Transportation of Dangerous Goods Regulations.

Notice to Reader

The information in the material safety data sheet should be provided to all who use, handle, store, transport or otherwise be exposed to this product. All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable as of the publication date. However, no warranty is made as to the accuracy of and/or sufficiency of such information and/or suggestions or as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. The information contained herein supersedes all previously issued bulletins on the subject matter covered. If the date on this document is more than three years old, call to make certain that this sheet is current.