

MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING

HEALTH	1
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	X

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By: R. Lauterbach

SECTION I: PRODUCT IDENTIFICATION

Product Name: **Coating 932**
Chemical Family: Asphalt emulsion
Material Usage: Coating for metal

EMERGENCY OVERVIEW: Water-based product. Alkaline liquid; may be irritating to eyes and skin. Refer to Section 3 for health effects and to Section 5 for fire hazard data.

SECTION II: COMPOSITION

Component	Wt%	Recommended Exposure Limits (TWA)
Petroleum Asphalt CAS #8052-42-4	48-52	OSHA PEL: 5 mg/m ³ ACGIH TLV: 5 mg/m ³
Non-Hazardous Surfactant Proprietary	<4	None Established
Clay, Bentonite* CAS #1302-78-9	<8	None respirable
Oil Soluble Calcium Sulfonates CAS #Trade Secret	4-10	OSHA PEL: 5 mg/m ³ ACGIH TLV: 5 mg/m ³
Water CAS #7731-18-5	40-50	None Listed

SECTION III: ACUTE EFFECTS OF OVEREXPOSURE

EYE: Conjunctivitis, irritation, and tearing.

SKIN: Prolonged contact temperatures may result in irritation or inflammation. Allergic skin reactions may occur on occasion and the skin may become sensitized.

INGESTION: May cause nausea, vomiting.

SECTION IV: CHRONIC EFFECTS OF OVEREXPOSURE

None known.

SECTION V: OTHER HEALTH EFFECTS

Avoid prolonged and repeated contact with skin.

SECTION VI: TOXICOLOGY

Acute Oral LD50	No Data Available
Acute Dermal LD50	No Data Available
Acute Inhalation LC 50	No Data Available
Carcinogenicity	No Data Available
Mutagenicity	No Data Available

SECTION VII: FIRST AID AND EMERGENCY PROCEDURES

EYE: Flush with large amounts of water immediately. Eye lids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

SKIN: Prolonged contact may cause slight irritation. Wash with soap and water. Get medical attention if irritation persists.

INGESTION: May cause nausea, vomiting, contact a physician immediately.

SECTION VIII: PHYSICAL DATA

Appearance	Brown thixotropic gel
Odor	Mild or Faint Petroleum
Initial Boiling Point (° F)	200-220° F
Vapor Pressure (mm Hg)	760 @ 212 °F
Vapor Density (Air = 1)	> 1
Solubility in Water	Dispersible
Specific Gravity (H ₂ O = 1)	.95-1.05
Volatiles (wt %)	48-53
Evaporation (Ether = 1)	
Viscosity (Brookfield RVT)	70,000 – 110,000 cps. (TD @ 5 RPM) (Typical)
Auto Ignition Temperature	NA
pH	Not Applicable
VOC	0 lbs/gal

SECTION IX: FIRE AND EXPLOSION DATA

Flash Point (Method Used) NA (Water based)
Flammable Explosion Limits NA

Fire extinguishing media: NA
Special Fire Hazards and Fire Fighting Procedures: NA

SECTION X: REACTIVITY

Stable: Yes	Unstable: N/A
Conditions to Avoid	Open flame and fume inhalation
Incompatibility	Avoid strong oxidizers.
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Carbon Monoxide, Carbon Dioxide

SECTION XI: SPILL, LEAK AND DISPOSAL PROCEDURES

Dike spill area, recover free liquid, and return to container. Add absorbent to spill area.

SECTION XII: WASTE DISPOSAL METHOD

This substance, when discarded or disposed of, is not specifically listed as a hazardous waste in federal regulations; however it could be hazardous if it is considered toxic, corrosive, ignitable, or reactive according to federal definitions (40 CFR 261). Additionally, it could be designated as hazardous according to state regulations. This substance could also become a hazardous waste if it is mixed or comes in contact with a hazardous waste. If such contact or mixing may have occurred, check 40 CFR 261 to determine whether it is a hazardous waste. If it is considered hazardous, regulations 40 CFR 262, 263 and 264 apply. The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with all applicable federal, state, and local regulations.

SECTION XIII: DOT TRANSPORTATION

According to DOT regulations, this product is not considered hazardous. Care should be taken to protect from freezing.

SECTION XIV: PROTECTIVE EQUIPMENT

SKIN: Wear gloves to prevent irritations.
EYES: Wear goggles to prevent irritations.
OTHER: Long sleeved shirt and pants preferred.

NOTE: Personal protective information shown in section 14 is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

SECTION XV: PRECAUTIONS TO BE TAKIN IN HANDLING AND STORAGE

Avoid extremes of temperature in storage. Store in tightly closed containers in cool, dry, isolated, well-ventilated area. **Protect from freezing!**

SECTION XVI: STATE ADDENDUM

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>NOTES</u>
Asphalt	8052-42-3	A Pennsylvania Hazardous Substance List Material
Asphalt	8052-42-3	A Washington State Permissible Exposure for Air Contaminants material
Asphalt	8052-42-3	Asphalt may contain detectable amounts of chemicals known by the state of California to cause cancer or reproductive harm.

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.