

SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

TRADE NAME: HAUL ROAD DUST CONTROL
CHEMICAL NAME: SURFACTANT WETTING AGENT
SYNONYMS: DUST WETTING ADDITIVE
CHEMICAL FAMILY: Surfactant
MOLECULAR WEIGHT: N/A
FORMULA: N/A
CAS REGISTRY NO.: Blend no number assigned

SECTION II -- COMPOSITION/INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS REG. NO.</u>	<u>EC Number</u>
Sodium Alpha Olefin Sulfonate	68439-57-6	270-407-8

SECTION III – HAZARD IDENTIFICATION

Sodium Alpha Olefin Sulfonate Skin and eye irritant

SECTION IV -- FIRST AID MEASURES

EYE CONTACT: Do not rub eyes. Flush eyes with clear water for at least fifteen (15) minutes while rotating eyes in every direction to ensure that no solid particles remain in creases or eyelids. If so, continue to flush. If irritation persists, consult a physician.

INHALATION: Not expected route of exposure, however, if problems are experienced because of heated material, move subject to fresh air. If victim is not breathing perform artificial respiration. Administer oxygen if available. Keep victim warm and at rest. Seek medical attention if necessary.

SKIN CONTACT: Remove from source of irritation. Remove any contaminated clothing and wash affected area(s) thoroughly with a mild soap and water. Launder clothing before re-using. If irritation persists, consult a physician.

INGESTION: Do not induce vomiting. Drink several glasses of water. Keep exposed person at rest and immediately call physician. Never give anything by mouth to an unconscious person.

SECTION V -- FIRE & EXPLOSION DATA

FLAMMABILITY: Non-flammable, water solution
FLASH POINT (TEST METHOD): N/A-aqueous based solution
AUTO-IGNITION TEMPERATURE: N/D
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

EXTINGUISHING MEDIA AND INSTRUCTIONS:

Product is not flammable. Use media appropriate to primary source of fire. If unknown, use dry chemical, water spray, water fog, carbon dioxide, foam or sand/earth.

SPECIAL FIREFIGHTING PROCEDURES:

Firefighters should be equipped to prevent breathing of vapor, mist or products of combustion. Use NIOSH approved self-contained breathing apparatus for organic vapors and wear appropriate clothing.

NFPA- FIRE: 0 HEALTH: 1 REACTIVITY: 0 OTHER:

SECTION VI – ACCIDENTAL RELEASE

Caution: material is slippery on wet or hard surfaces

Small Spills: Recover all material that is practical for use. Soak up balance with sand, dirt or absorbent material and take to approved landfill. Wash contaminated area with water and dispose of wash water per local regulatory requirements. Avoid direct discharge in waterways.

SECTION VII-- HANDLING AND STORAGE

HANDLING: Consumption of food and beverages should be avoided in work areas where product is being used. After using product, always wash hands and face with soap and water before eating, drinking, or smoking.

STORAGE: Keep container closed when not in use. Use in well ventilated area. Store in a location well a way from strong oxidizers. Keep product between 50°F and 100°F. Do not allow product to freeze.

SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

GLOVES: PVC coated gloves for short-term contact. Neoprene gloves, especially if frequent or prolonged contact is expected.

RESPIRATORY PROTECTION: If high vapor or mist concentrations are expected, use NIOSH approved respirator for organic vapors.

EYE PROTECTION: Safety goggles or chemical splash goggles.

PROTECTIVE CLOTHING: Wear clothing to minimize skin contact, long sleeves, boots or shoes. Change clothing frequently if contaminated with product. Launder soiled work clothes before re-using. For casual contact PVC gloves are suitable, for prolonged contact use neoprene or nitrile gloves.

SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION (con't)

SPECIFIC ENGINEERING CONTROLS TO BE USED WITH THIS PRODUCT:

This material has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. However, if vapor is generated as the product is heated, misted, or sprayed, adequate ventilation in accordance with good engineering practices must be provided to maintain concentrations below the specified exposure or flammable limits.

SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F):	>212 ⁰ F
VAPOR DENSITY:	N/D
SPECIFIC GRAVITY:	1.02 @ 20°C
SOLUBILITY IN WATER:	soluble in water
APPEARANCE & ODOR:	clear to tinted liquid
POUR POINT:	N/D
pH:	7.5 – 8.5
PHYSICAL STATE:	Liquid
FREEZE POINT (F):	Store above 50 ⁰ F

SECTION X -- STABILITY AND REACTIVITY

STABILITY:	Stable under normal handling conditions.
CHEMICAL INCOMPATIBILITY:	Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Combustion may yield carbon dioxide, carbon monoxide and oxides of sulphur.
HAZARDOUS POLYMERIZATION:	This product is not subject to polymerization.
CONDITIONS TO AVOID:	None known

SECTION XI -- TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE

INHALATION:	Vapors and mist may be irritating to nose, throat and mucous membranes. Bronchitis, pulmonary edema, and chemical pneumonitis may occur. Symptoms include irritation, coughing, chest pain and difficulty in breathing.
SKIN:	Frequent or prolonged skin contact with out adequate personal protection may be irritating to exposed skin and may lead to dermatitis.

SECTION XI -- TOXICOLOGICAL INFORMATION (con't)

EYES: Vapors may be irritating to eyes. Liquid or mist may also cause irritation in addition to burning and redness if exposure is severe.

INGESTION: Swallowing large amounts may cause nausea and vomiting.
Oral Rat LD₅₀ = 2.5 g/kg

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Exposure to product with out adequate personal protection may aggravate pre-existing respiratory disease or skin condition (such as dermatitis).

CARCINOGENICITY:

NTP – Not Listed.
IARC – Not Listed.
OSHA – Not Listed.

HMIS- HEALTH: 1 FIRE: 0 REACTIVITY: 0 OTHER

SECTION XII – ECOLOGICAL INFORMATION

Material totally biodegrades under aerobic conditions of secondary wastewater treatment systems. This material has aquatic toxicity LC50 values for fish in the 0.3 – 21.0 mg/L range.

SECTION XIII -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Consult your local authorities for regulations. Preferred waste management: recycle or reuse, incinerate with energy recovery, disposal in a licensed facility. Disposal facility should be compliant with state, local and federal government regulations.

SECTION XIV—TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Dust suppressant liquid, non-hazardous
DOT Proper Shipping Class: Not regulated
DOT Labels Required: None
DOT Placard Required: None

MIDWEST INDUSTRIAL SUPPLY, INC.

1101 Third Street Southeast • CANTON, OHIO 44707 USA
Emergency Phone Numbers: 330-456-3121

Haul Road Dust Control®

MATERIAL SAFETY DATA SHEET

SECTION XV-- REGULATORY INFORMATION

OSHA hazard class (29CFR 1910.1200):	Irritant
EPA SARA TITLE III Section 302 (planning notification):	None
EPA SARA TITLE III Section 304 (release notification):	None
EPA SARA TITLE III Section 311/312 (hazard class):	None
EPA SARA TITLE III Section 313 (TRI):	None
TSCA listed or exempt:	Yes, listed
DSL listed or exempt (Canada):	Yes, listed
California Proposition 65:	None
Volatile Organic Compound (VOC) content:	None

SECTION XV -- OTHER INFORMATION

ABBREVIATIONS AND SYMBOLS:

N.D. - Not Determined

N.A. - Not Applicable

N.T. - Not Tested

< - LESS THAN

> - MORE THAN