

Laidlaw Corporation
5326 Industrial Park Road
Metropolis, IL 62960

Date Signed: 3-1-04

Transportation: Chemtrec

Prepared By: A. Boykin & John T. Beckman

Emergency: 1-800-424-9300

MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION

PRODUCT NAME: Soilution
CHEMICAL NAME: Aqueous Hydrocarbon Sulfonate Amide Emulsion
CAS NUMBER: MIXTURE
EMERGENCY TELEPHONE NUMBER: (618) 524-9394

II. COMPONENTS AND HAZARD INFORMATION

HAZARDOUS COMPONENT	CAS NO. OF COMPONENT	TLV OF COMPONENT	OSHA PEL	APPROXIMATE CONCENTRATION
Mineral Spirits	64742-88-7	100 ppm	100 ppm	20.0%
Poly, Alpha-Omega Hydroxy	9016459	Not established	N.E.	10.0%
Ethyl Alcohol, Denatured	64-17-5	1000 ppm	1000 ppm	5.0%

D.O.T. Hazard Classification: Liquid, Non-Hazardous
Hazardous Materials Identification System (HMIS)

Health <u>1</u>	Flammability <u>0</u>	Reactivity <u>0</u>	BASIS Recommended by Laidlaw BASIS Calculated TLV REF ACGIH
TLV for Total Product <u>100 ppm</u>			

III. PHYSICAL DATA

Boiling Point 190°F (88°C) Vapor Density Not determined.
Vapor Pressure Not determined. Percent Volatiles 60.0%
Specific Gravity 0.9515 Evaporation Rate Not determined.

IV. FIRE AND EXPLOSION DATA

Flash Point (°F TCC) >200°F
Extinguishing Media Dry chemical, waterspray, waterfog, CO₂, foam or sand/earth.

Special Firefighting Procedures Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear self-contained breathing apparatus and preventive clothing.

Unusual Fire & Explosion Hazards None known.

National Fire Protection Association (NFPA) - Hazard Identification

Health <u>1</u>	Flammability <u>0</u>	Reactivity <u>0</u>	BASIS Recommended by Laidlaw
--------------------	--------------------------	------------------------	---------------------------------

V. HEALTH HAZARD DATA

Effects of Overexposure:

Eyes: Can cause moderate irritation.

Skin: Prolonged or repeated contact may cause slight irritation.

Breathing: Excessive inhalation of vapors may cause nasal and respiratory irritation.

Swallowing: Can cause nausea, diarrhea and gastrointestinal irritation.

SOILUTION

First Aid Procedures:

Swallowing: Call a physician. Do not induce vomiting.
Skin: Thoroughly wash exposed area with soap and water.
Inhalation: Not applicable.
Eyes: Flush with large quantities of water, lifting upper and lower lids occasionally. Get medical attention.

Health studies have shown that health risks vary from person to person. As a precaution exposure to liquids, vapors, misty fumes or dust should be minimized.

VI. REACTIVITY DATA

Hazardous Polymerization: Cannot occur.
Stability: Stable.
Incompatibility: None.
Hazardous Decomposition Products: None known.

VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:
For small spills, flush with water. For large spills soak up with sand, dirt or absorbent. Dispose of in accordance with all applicable federal, state and local regulations.

VIII. PROTECTION AND PRECAUTIONS

Respiratory Protection: If TLV of the product is exceeded, an NIOSH/OSHA approved respirator is advised.

Ventilation: Provide sufficient ventilation to maintain exposure below TLV.
Protective Gloves: Rubber or plastic solvent resistant.
Eye Protection: Chemical safety goggles.
Other Protective Equipment: None normally needed.

IX. PRECAUTIONS OR OTHER COMMENTS

Precautions to be taken in handling and storing: Maintain good housekeeping. Avoid contact with eyes. Wash thoroughly after handling. Use with adequate ventilation.
The information and recommendations accumulated herein are to the best of Laidlaw's knowledge and belief, accurate and reliable as of the date issued. Laidlaw does not warrant or guarantee their accuracy or reliability, and shall not be liable for any loss or damage arising out of the use thereof.
HMIS and NFPA recommended ratings are based upon the criteria supplied by the developers of these rating systems together with Laidlaw's interpretation of the available data.