

Material Safety Data Sheet		U.S. Department of Labor			
May be used to comply with		Occupation Safety and Health Administration			
OSHA's Hazard Communication Standard		(Non-Mandatory Form)			
29 CFR 1910.1200. Standard must be consulted for specific requirements		Form Approved			
IDENTITY		OMB No. 1218-0072			
MINERAL BRINE SOLUTION		<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>			
Section I					
Manufactured By		Emergency Telephone Number			
SOUTHWESTERN MICHIGAN DUST CONTROL		269-521-7638			
Address (Number, Street, City, State, and ZIP Code)		Telephone Number For Information			
P.O. Box 152 110 East Spring Sreet, Bloomingdale, MI 49026		269-521-7638			
NFPA / HMIS RATINGS:	Health:	1 / 1	Date Prepared		
	Flammability:	0 / 0	March 1, 2010		
	Reactivity:	0 / 0	Signature of Preparer (optional)		
Section II - Hazardous Ingredients/Identity Information					
Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
SODIUM CHLORIDE	7647-14-5	N/A	N/A	N/A	
MAGNESIUM CHLORIDE	7786-30-3	N/A	N/A	N/A	
CALCIUM CHLORIDE	10043-52-4	N/A	N/A	N/A	
POTASSIUM CHLORIDE	7447-40-7	N/A	N/A	N/A	
Section III - Physical/Chemical Characteristics					
Boiling Point	105 – 115°C	Specific Gravity (H ₂ O = 1)		1.19	
Vapor Pressure (mm Hg)	Undetermined	Density		9.9 lb / gal	
Vapor Density (AIR = 1)	Undetermined	Evaporation Rate (Butyl Acetate = 1)		Undetermined	
Solubility in Water	Complete	pH		6 - 8	
Appearance and Odor	Clear, colorless, odorless liquid				
Section IV - Fire and Explosion Hazard Data					
Flash Point (Method Used)	N/A	Flammable Limits		LEL	UEL
Extinguishing Media	N/A				
Special Fire Fighting Procedures	This product is not flammable. Use extinguishing media suitable for surrounding fire.				
Unusual Fire and Explosion Hazards	NONE				

Formatted Table

Formatted Table

Formatted Table

Formatted Table

N/A = not applicable

Section V - Reactivity Data				
Stability	Unstable		Conditions to Avoid	N/A
	Stable	X		
Incompatibility (Materials to Avoid): Strong oxidizing agents, boron trifluoride, boron trioxide / calcium oxide mixture, metallic sodium, methyl vinyl ether. Reaction with zinc or aluminum produces explosive hydrogen gas.				
Hazardous Decomposition or Byproducts				
Hazardous Polymerization	May Occur		Conditions to Avoid	N/A
	Will Not Occur	X		
Section VI - Health Hazard Data				
Route(s) of Entry:	Inhalation?	YES	Skin?	YES
				INGESTION? YES
Health Hazards (Acute and Chronic)				
Carcinogenicity:	NTP?	NO	IARC Monographs?	NO
				OSHA Regulated? NO
Signs and Symptoms of Exposure May cause irritation of eyes, respiratory tract, skin or gastrointestinal system.				
Medical Conditions Generally Aggravated by Exposure None known				
Emergency and First Aid Procedure EYES: flush immediately with large volume of clean water for at least 15 minutes, while holding upper and lower lids open. INGESTION: if gastrointestinal irritation develops, seek medical advice. INHALATION: remove victim to fresh air; seek medical attention if respiratory distress develops SKIN: flush affected area with soap and water				
Section VII - Precautions for Safe Handling and Use				
Steps to be Taken in Case Material is Released or Spilled : Spills should be contained and either pumped into a suitable container, or absorbed by inert media for disposal.				
Waste Disposal Method: In accordance with federal, state and local regulations.				
Precautions to be Taken in Handling and Storage: Store in a closed container in a cool, dry location.				
Other Precautions: Avoid contact with skin, eyes and clothing. Prevent exposure to incompatible materials.				
Section VIII - Control Measures				
Respiratory Protection (Specify Type) Follow OSHA respirator regulations found in 29 CFR 1910.134				
Ventilation	Local Exhaust	Use when needed	Special	N/A
	Mechanical(General)	Usually sufficient	Other	N/A
Protective Gloves	Neoprene or natural rubber		Eye Protection	
			Face shield or safety glasses with side-shields	
Other Protective Clothing or Equipment: Appropriate to prevent skin contact				
Work/Hygienic Practices: Remove and launder any clothing contaminated with product. Wash thoroughly after handling product. Keep away from children.				

Formatted Table

Formatted Table

Formatted Table

Formatted Table

N/A = not applicable

This information was compiled from current, reliable sources and is believed to be correct. Because data and/or regulations change and the conditions of product use and handling are beyond our control, no warranty, express or implied, is made as to the completeness or continuing accuracy of this information.

