# **MATERIAL SAFETY DATA SHEET**

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION** 

PRODUCT NAME: Mineral Shock RTU

PRODUCT NUMBER: 138 DATE: June 30, 2009

TRADE NAME: Mineral Shock RTU
GENERAL USE: Mineral Cleaner
CHEMICAL FAMILY: Organic Mineral Cleaner

PRODUCT DESCRIPTION:
Clear liquid with slight odor.

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MANUFACTURER: DATE PREPARED: June 30, 2009
EnvirOx LLC SUPERSEDES: October 9, 2008

ADDRESS (NUMBER, STREET, P.O. BOX) TELEPHONE NUMBER FOR INFORMATION / Customer Service

P.O. Box 2327, 1938 E. Fairchild St. 1-217-442-8596

(CITY, STATE AND ZIP CODE) COUNTRY CHEMTEL 24-HOUR EMERGENCE

Danville, IL. 61834-2327 USA

CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER

1-800-255-3924

North America Toll Free International

SECTION 2 - HAZARDOUS INGREDIENTS

% (by Hazard RISK PHRASES
Hazardous Components Weight) CAS # EINECS # Symbol (Full Text Section 15)

No hazardous ingredients per 29CFR.

Notes: All SARA Title III materials have been reported. All ingredients contained in this formula are listed on the Toxic Substances Control Act (TSCA) Chemical Inventory. **Proprietary non-hazardous ingredients not listed.** 

## **SECTION 3 - HAZARDS IDENTIFICATION**

INHALATION:

May irritate respiratory tract if inhaled as mist.

SKIN:

May cause skin irritation - especially in cases of persistent contact. Dry skin or stinging sensation.

EYES:

May cause mild to moderate eye irritation from splashing or contact with mists.

INGESTION:

May cause stomach upset, including vomiting and/or nausea. Product is only mildly toxic by ingestion.

CARCINOGENICITY:

NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

CALIFORNIA, Prop.65? NO

# SECTION 4 - FIRST AID MEASURES

INHALATION:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration if possible. Call a poison control center or doctor for further treatment advice.

**EYES** 

Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN:

Remove contaminated clothing. Rinse skin immediately with plenty of water. See a physician for severe/persistent irritation.

INGESTION:

Call poison control center (Toll-Free at 1-800-222-1222 within the USA) or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

### SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:

Not Flammable.

**EXTINGUISHING MEDIA:** 

Carbon Dioxide or Dry Chemical - choose extinguishing media to fight surrounding fire.

FIRE FIGHTING PROCEDURES:

Firefighters should wear self-contained breathing apparatus and turn-out gear when fighting any chemical fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None applicable.

HAZARDOUS COMBUSTION PRODUCTS:

None known.

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# SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Do not flush large quantities of material into sewers or bodies of water. Use absorbent to trap spilled material, then place in waste container. Small spills (less than a gallon) can be flushed into a sanitary sewer with plenty of water.

## SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store indoors; Store below 120°F, avoiding temperature extremes. Do not store with incompatible materials (see Section 10).

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

	NIOSH				ACGIH		OSHA	
HAZARDOUS COMPONENTS	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	TWA ppm	PEL mg/m3

No hazardous ingredients per 29CFR.

### PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Local Exhaust Ventilation is OK. NIOSH/OSHA approved respirators may be used if respiratory irritation occurs.

PROTECTIVE GLOVES:

Impervious protective gloves are recommended - especially for sustained contact. Neoprene is a good choice for glove material.

EYE PROTECTION:

Safety glasses with side shields are recommended where a splash hazard exists and as a good industrial practice.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Not generally required. An impervious apron is suggested for situations where a splash hazard exists.

WORK / HYGIENIC PRACTICES:

Wash hands with soap and water after contact. Use emollient cleanser for mild dryness of skin.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES				
APPEARANCE AND ODOR	VAPOR PRESSURE			
Clear liquid with slight odor.	NE			
рН	SPECIFIC GRAVITY (WATER = 1)			
NE	1.02			
BOILING POINT / BOILING RANGE	SOLUBILITY IN WATER			
212°F	Completely Soluble.			
FLASH POINT	VISCOSITY			
None	NA			
FLAMMABLE LIMITS	VAPOR DENSITY (AIR = 1)			
LEL: NA UEL: NA	NA			
AUTOIGNITION TEMPERATURE	EVAPORATION RATE (WATER = 1)			
NA	NA			

## SECTION 10 - STABILITY AND REACTIVITY

SECTION 10-STABILITY AND REACTIVITY							
STABILITY	STABLE	Х	CONDITIONS TO AVOID:				
			Extreme heat or open flame.				

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizers, alkalis

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

None known

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:

None related to polymerization.

# Hazardous Components CAS # LD50 of Ingredient LC50 of Ingredient (Specify Species and Route) LC50 of Ingredient (Specify Species)

No hazardous ingredients per 29CFR.

# **SECTION 12 - ECOLOGICAL INFORMATION**

No ecological information is available for this blended product; it is known to be biodegradable, however, based on the ingredients used in its manufacture. Product contains no Priority Pollutants under the Clean Water Act.

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# SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Biodegradable product may be flushed to sewage treatment facility (in small quantities - see Section 6) or landfill. Dispose of container according to State, Federal and Local laws. Neutralization of pH (large quantities) may require notification of authorities.

## **SECTION 14 - TRANSPORT INFORMATION**

PROPER SHIPPING NAME: Cleaning Solution not regulated.

DOT HAZARD CLASS / Pack Group: Not regulated IATA HAZARD CLASS / Pack Group: Not regulated.

REFERENCE: None IMDG HAZARD CLASS: Not regulated

UN / NA IDENTIFICATION NUMBER: None RID/ADR Dangerous Goods Code: None

LABEL: None UN TDG Class / Pack Group: NA

HAZARD SYMBOLS: None Hazard Identification Number (HIN): None

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

### SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): All components are listed.

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):

Acute Health: **Yes** Chronic Health: **No** 

Fire: No Sudden Release of Pressure: No

Reactive: No

#### 313 REPORTABLE INGREDIENTS: None

CERCLA (USA - Comprehensive Response Compensation and Liability Act):

No reportable ingredients

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:

No reportable ingredients

CPR (Canadian Controlled Products Regulations): No WHMIS warnings required.

IDL (Canadian Ingredient Disclosure List): Listed.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Listed on DSL.

WGK Water Quality Index: 1

## **SECTION 16 - OTHER INFORMATION**

Legend: NA=Not Available, NE= Not Established, ND= Not determined, C= Carcinogen, NTP= National Toxicology Program.					
HMIS HAZARD RATINGS	HEALTH:	1	0 = INSIGNIFICANT		
	FLAMMABILITY:	0	1 = SLIGHT		
	PHYSICAL HAZARD:	0	2 = MODERATE		
	PERSONAL PROTECTIVE EQUIPMENT:	B*	3 = HIGH		
			4 = EXTREME		

\*Gloves and Safety Glasses are recommended but not required

REVISION SUMMARY:

Revised to ANSI. protocols 6/30/2009 supersedes 10/9/2008 issue.LB

### MSDS Prepared by:

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.