

MATERIAL SAFETY DATA SHEET - 16 Sections

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier LIQUID CREOSOTE REMOVER ITEM 97L, 98L		
Product Use LIQUID USED TO TREAT CREOSOTE		
Manufacturer's Name RUTLAND FIRE CLAY COMPANY		EMERGENCY CONTACT CHEMTREC
Street Address 7 CRABTREE ROAD		EMERGENCY DOMESTIC PHONE NUMBER 800-424-9300
City JACKSONVILLE	State IL	EMERGENCY INTERNATIONAL CONTACT NUMBER 703-527-3887
Zip code 62650		
Date MSDS Prepared November 5, 2010	MSDS Prepared By GENE ADDISON	Phone Number 217-245-7810

SECTION 2 -- COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
MANGANESE II NITRATE	TRADE SECRET	10377-66-9	VACATED 1989	.2 MG/M3	
N-PROPANOL	TRADE SECRET	00071-23-8	200 PPM	200 PPM	
ALCOHOL ETHOXYLATE	TRADE SECRET	68439-46-3	N/E	N/E	

SECTION 3 -- HAZARD IDENTIFICATION

Route of Entry <input checked="" type="checkbox"/> SKIN CONTACT <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE CONTACT <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION
[Emergency Overview] THIS MATERIAL IS HAZARDOUS BY OSHA HAZARD COMMUNICATION DEFINITION
[Potential Health Effects] TARGET ORGANS EYES IRRITANCY EYE IRRITANT. PROLONGED OR REPEATED CONTACT WITH SKIN MAY RESULT IN DERMATITIS SENSITIZING CAPABILITY NONE KNOWN REPRODUCTIVE EFFECTS NONE CANCER INFORMATION NONE

SECTION 4 -- FIRST AID MEASURES

Skin Contact IMMEDIATELY WASH WITH SOAP AND WATER AND RINSE THOROUGHLY
Eye Contact FLUSH EYES FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN
Inhalation MOVE TO FRESH AIR. CONSULT A DOCTOR IF NEEDED.
Ingestion INDUCE VOMITING. GET MEDICAL ATTENTION.

Product Identifier

SECTION 5 -- FIRE FIGHTING MEASURES

Flammable <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If yes, under what conditions OPEN FLAME
Means of Extinction WATER SPRAY, FOAM, CARBON DIOXIDE, OR DRY CHEMICAL	
Flashpoint (°F) and Method 112°F (TOC)	
Auto ignition Temperature (°F) N/D	
Hazardous Combustion Products OXIDES OF NITROGEN, CARBON MONOXIDE, CARBON DIOXIDE, HYDROCARBON BY PRODUCTS	

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

Environmental Precautions	KEEP OUT OF DRAINS, SEWERS, DITCHES, AND WATERWAYS. SCOOP UP MATERIAL AND PLACE IN DRUMS FOR DISPOSAL. MINIMIZE USE OF WATER TO PREVENT ENVIRONMENTAL CONTAMINATION.
Cleanup Procedures	KEEP AWAY FROM IGNITION SOURCES. SOAK UP WITH ABSORBENT, PLACE IN TIGHTLY SEALED CONTAINERS. DISPOSE OF ALL WASTE IN ACCORD WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS
Personal Protection	USE ADEQUATE VENTILATION, LATEX OR RUBBER GLOVES, & SAFETY GLASSES.

SECTION 7 -- HANDLING AND STORAGE

Handling Procedures and Equipment	KEEP CONTAINER UPRIGHT, TIGHTLY CLOSED, AND PROPERLY LABELED. DO NOT REUSE CONTAINER. DO NOT TRANSFER TO AN UNMARKED CONTAINER
Special Mixing and Handling Instructions	NONE
Storage Requirements	KEEP CONTAINER TIGHTLY CLOSED AND PROPERLY LABELED.

SECTION 8 -- EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input checked="" type="checkbox"/> ACGIH TLV <input checked="" type="checkbox"/> OSHA PEL <input type="checkbox"/> OTHER (Specify)
Specific Engineering Controls (Such as ventilation, enclosed process)	USE VENTILATION TO KEEP VAPORS AND/OR DUST UNDER TLV
Personal Protective Equipment	<input checked="" type="checkbox"/> GLOVES <input type="checkbox"/> RESPIRATOR <input checked="" type="checkbox"/> EYEWEAR <input type="checkbox"/> FOOTWEAR <input type="checkbox"/> CLOTHING <input type="checkbox"/> OTHER
If checked, please specify type	GLOVES USE LATEX, VINYL, OR RUBBER GLOVES WHILE WORKING WITH SPILLED PRODUCT EYEWEAR WEAR GLASSES OR SAFETY GLASSES WHILE APPLYING PRODUCT

Product Identifier

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

Physical State LIQUID	Odor and appearance PINKISH LIQUID WITH ALCOHOL ODOR	Odor Threshold (ppm) N/D
Specific Gravity 1.1	Vapor Density (Air = 1) N/D	Vapor Pressure (mmHg) N/D
Evaporation Rate (Butyl Acetate=1) NOT AVAILABLE	Boiling Point (°F) 188°	Freezing Point (°F) N/A
pH 1-2	Coefficient of Water/Oil Distribution N/D	[Solubility in Water] SOLUBLE

SECTION 10 -- STABILITY AND RELIABILITY

Chemical Stability <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If no, under which conditions?
Hazardous Polymerization <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, which ones?
Reactivity, and under what conditions? STRONG ACIDS, ALKALIS, HALOGENS, AND OXIDIZERS SUCH AS LIQUID CHLORINE AND OXYGEN	
Hazardous Decomposition Products NONE EXCEPT FOR THOSE IDENTIFIED IN SECTION 5	

SECTION 11 -- TOXICOLOGICAL INFORMATION

Effects of Acute Exposure IRRITATING TO EYES, MILDLY IRRITATING TO SKIN. IRRITATING TO RESPIRATORY AND DIGESTIVE TRACT.	
Effects of Chronic Exposure CHRONIC EXPOSURE TO SKIN CAN CAUSE DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN IRRITATION AND DERMATITIS	
Irritancy of Product IRRITATING TO EYES AND RESPIRATORY TRACT	
Skin Sensitization PROLONGED CONTACT MAY RESULT IN DERMATITIS	Respiratory Sensitization NONE KNOWN
Carcinogenicity-IARC NONE KNOWN	Carcinogenicity-ACGIH NONE KNOWN
Reproductive Toxicity NONE KNOWN	Teratogenicity NONE KNOWN
Embryotoxicity NONE KNOWN	Mutagenicity NONE KNOWN
Name of Synergistic Products/Effects NONE KNOWN	

Product Identifier

SECTION 12 -- ECOLOGICAL INFORMATION

LD50 of Product (specify species and route)	N/D
LC50 of Product (specify species)	N/D

SECTION 13 -- DISPOSAL CONSIDERATIONS

Waste Disposal	DISPOSE OF ALL WASTE IN ACCORD WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS

SECTION 14 -- TRANSPORT INFORMATION

Special Shipping Information	
PIN	
TDG NOT REGULATED	[DOT] NOT REGULATED
[IMO] NOT REGULATED	[ICAO] NOT REGULATED

SECTION 15 -- REGULATORY INFORMATION

SARA SECTION 302 RQ & TPQ NONE KNOWN	[OSHA] MANGANESE NITRATE AND N-PROPANOL ARE OSHA HAZARDOUS MATERIALS IN PRODUCT
SARA SECTION 313 MANGANESE NITRATE	[TSCA] ALL INGREDIENTS ON TSCA LIST SIGNIFICANT NEW USE RULE
CLEAN AIR ACT CONTAINS NO HAZARDOUS AIR POLLUTANTS CLEAN WATER ACT NOT LISTED AS PRIORITY OR TOXIC POLLUTANT	[TSCA] HEALTH & SAFETY REPORTING LIST NOT ON LIST CHEMICAL TEST RULES NOT UNDER RULES SECTION 12b NOT LISTED
STATE RIGHT TO KNOW LISTS NOT ON ANY STATE LIST EUROPEAN /INTERNATIONAL REGULATIONS HAZARDOUS LABELING IN ACCORDANCE WITH EC DIRECTIVES HAZARD SYMBOLS RISK PHRASES SAFETY PHRASES	CERCLA NOT REPORTABLE NON HAZARDOUS

SECTION 16 -- OTHER INFORMATION

<p>THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS, TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO EVENT SHALL RUTLAND FIRE CLAY COMPANY BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF RUTLAND HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.</p>	
<p>HMIS Rating</p> <p>Health : 2</p> <p>Flammability : 2</p> <p>Reactivity : 0</p>	<p>NFPA Rating</p> <p>Health : 2</p> <p>Flammability : 2</p> <p>Reactivity : 0</p>