

CHEM AND LUBE		MATERIAL SAFETY DATA SHEET			ADDRESS: 1901 S. 12 <sup>TH</sup> ST ALLENTOWN, PA 18103	
PRODUCT IDENTIFICATION	PRODUCT NAME <b>SPONTANEOUS EMULSIFIER</b>			Code No.		Emergency Phone Number(s)  Business: (610) 798-9222 Other:
	SYNONYMS					12/04
						Chemical Family <b>DEGREASER</b>
INGREDIENTS	MATERIALS OR COMPONENTS		%W	CAS NUMBER		CARCINOGEN OSHA OR IARC
	SODA ASH		2	497-19-8		N/E
	SODIUM METASILICATE		2	6834-92-0		N/E
	SODIUM TRIPOLYPHOSPHATE		2	7758-29-4		N/E
	SODIUM HYDROXIDE		2	1310-73-2		2 PPM
	ETHYLENEDIAMINETETRAACETIC ACID, SOD, SALT		3	64-02-8		N/E
	NONIONIC SURFACTANT		3	9016-45-9		N/E
	D.P.M.		3	34590-94-8		100 PPM
	P.E. SURFACTANT		3	8017-16-1		N/E
WATER		BAL	7732-18-5		N/E	
SHIPPING INFORMATION	(CONTAINS SODIUM HYDROXIDES SOLUTION) 8, UN1824, PG II, ER 60 CLASS 55					
PHYSICAL PROPERTIES	Boiling Point/Range °C 212 °F		Melting Point °C °F		Freezing Point °C 25 °F	
	Specific Gravity (H <sub>2</sub> O=1) 1.094		Vapor Pressure (mm Hg) °C °F		Molecular weight (Calculated) Vapor Density (Air=1) GREATER	
	Solubility in H <sub>2</sub> O COMPLETE		% Volatiles by Volume 83		Evaporation Rate <input type="checkbox"/> Either = 1 <input checked="" type="checkbox"/> Water = 1 <input type="checkbox"/> Butylacetate =1	
	Appearance and Odor CLEAR LIQUID, SLIGHT ODOR		Other			
FIRE AND EXPLOSION DATA	Flash Point Base Oil °C °F		Test Method WATER BASE		Flammable Limits WATER BASE Lower NA % Upper %	
	Autoignition Temperature/Fire Point °C °F					
	EXTINGUISHING MEDIA <input type="checkbox"/> Water-spray <input type="checkbox"/> Water-fog <input type="checkbox"/> Water-stream <input type="checkbox"/> CO <sub>2</sub> <input type="checkbox"/> Dry chemical <input type="checkbox"/> Alcohol foam <input type="checkbox"/> Foam <input type="checkbox"/> Earth or sand					
	SPECIAL FIRE FIGHTING PROCEDURES <input type="checkbox"/> Do not enter Building <input type="checkbox"/> Allow fire to burn <input type="checkbox"/> Water may cause frothing <input type="checkbox"/> Do not use water					
UNUSUAL FIRE AND EXPLOSION HAZARDS <input type="checkbox"/> Dust explosion Hazard <input type="checkbox"/> Sensitive to shock <input type="checkbox"/> Contamination <input type="checkbox"/> Temperature <input type="checkbox"/> Other (Specify):						
REACTIVITY DATA	STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable		CONDITIONS CONTRIBUTING TO INSTABILITY <input type="checkbox"/> Thermal decomposition <input type="checkbox"/> Photo degradation <input type="checkbox"/> Polymerization <input type="checkbox"/> Contamination			
	INCOMPATIBILITY - Avoid contact with <input checked="" type="checkbox"/> Strong Acids <input type="checkbox"/> Strong Alkalis <input type="checkbox"/> Strong Oxidizers <input type="checkbox"/> Other (Specify):					
	HAZARDOUS DECOMPOSITION PRODUCTS - THERMAL AND OTHER (list) NONE KNOWN					
	CONDITIONS TO AVOID <input type="checkbox"/> Heat <input type="checkbox"/> Open Flames <input type="checkbox"/> Sparks <input type="checkbox"/> Ignition sources <input type="checkbox"/> Other (specify):					
SPILL OR LEAK	STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED <input checked="" type="checkbox"/> Flush with Water <input checked="" type="checkbox"/> Absorb with sand or inert material <input checked="" type="checkbox"/> Neutralize <input checked="" type="checkbox"/> Sweep or scoop up and remove <input type="checkbox"/> Keep upwind Evacuate enclosed spaces. <input checked="" type="checkbox"/> Prevent Spread or spill <input type="checkbox"/> Dispose of Immediately <input type="checkbox"/> Other (specify):					
	WASTE DISPOSAL METHOD - Consult federal, state, or local authorities for proper disposal procedures. ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS.					

NA - Not Applicable

CONTINUED ON  
REVERSE SIDE

Before using product, read and follow directions and precautions on product label and bulletins.

TOXICITY INFORMATION	CONDITIONS TO AVOID <b>SKIN AND EYE CONTACT, DO NOT INGEST</b>		
	PRIMARY ROUTES OF ENTRY <input type="checkbox"/> INHALATION <input checked="" type="checkbox"/> SKIN CONTACT <input type="checkbox"/> OTHER (Specify)		
	This product has been used for years with no known ill effects. It contains no known carcinogens or mutagens as defined by OSHA or IARC.		
	This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):		
	<u>CAS#</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
	1310-73-2	SODIUM HYDROXIDE	2%

HEALTH HAZARD INFORMATION	NFPA Rating	Health .....	0	<b>NFPA HAZARD RATING CODES</b>		Least .....	0	High .....	3	
		Flammability .....	1			Slight .....	1	Extreme .....	4	
		Reactivity .....	0	Moderate .....	2					
		Protective Equipment .....	B							
	Effects of Exposure	PERMISSIBLE EXPOSURE LIMIT (Specify if TLV/TWA or Ceiling [c])		2 PPM	Other:					
		IRRITATION	<input checked="" type="checkbox"/> Skin	<input checked="" type="checkbox"/> Severe	<input type="checkbox"/> Moderate	<input type="checkbox"/> Mild (Transient)				
			<input checked="" type="checkbox"/> Eye	<input checked="" type="checkbox"/> Severe	<input type="checkbox"/> Moderate	<input type="checkbox"/> Mild (Transient)				
		CORROSIVITY	<input checked="" type="checkbox"/> Skin	<input type="checkbox"/> 4 hrs. (DOT)	<input type="checkbox"/> 24 hrs (CPSC)					
			<input checked="" type="checkbox"/> Eye	<input checked="" type="checkbox"/> May cause blindness	<input type="checkbox"/> Not Corrosive					
		SENSITIZATION	<input checked="" type="checkbox"/> Skin <input type="checkbox"/> Respiratory <input type="checkbox"/> None	INHALATION EFFECTS		<input type="checkbox"/> Narcotic effect	<input type="checkbox"/> Cyanosis	<input type="checkbox"/> Asphyxiant		
LUNG EFFECTS (Specify):										
OTHER (Specify):										
<input checked="" type="checkbox"/> Repeated contact-skin defatter <input type="checkbox"/> Other (Specify)										
Emergency First Aid	INGESTION		<input type="checkbox"/> Induce vomiting	<input checked="" type="checkbox"/> DO NOT induce vomiting	<input checked="" type="checkbox"/> Give plenty of water	<input checked="" type="checkbox"/> Get medical attention	<input type="checkbox"/> Other (Specify):			
	DERMAL		<input checked="" type="checkbox"/> Flush with soap and water	<input checked="" type="checkbox"/> Get medical attention	<input checked="" type="checkbox"/> Contaminated clothing- remove & launder	<input type="checkbox"/> Contaminated shoes - destroy	<input type="checkbox"/> Other (Specify)			
	EYE CONTACT		<input checked="" type="checkbox"/> Flush with plenty of water for at least 15 minutes	<input checked="" type="checkbox"/> Get medical attention	<input type="checkbox"/> Other (Specify):					
	INHALATION		<input checked="" type="checkbox"/> Remove to fresh air	<input type="checkbox"/> If not breathing give artificial respiration	<input type="checkbox"/> Give oxygen	<input type="checkbox"/> Get medical attention	<input type="checkbox"/> Other (Specify):			

SPECIAL PROTECTION INFORMATION	VENTILATION REQUIREMENTS - <i>Always maintain exposure below permissible exposure limits</i>								
	<input type="checkbox"/> Consult an industrial hygienist or environmental health specialist	<input checked="" type="checkbox"/> Local exhaust	<input checked="" type="checkbox"/> Use with adequate ventilation	<input type="checkbox"/> Check for air contamination and oxygen deficiency					
	Other (Specify):								
	EYE	<input checked="" type="checkbox"/> Safety glasses	<input checked="" type="checkbox"/> Face Shield	<input checked="" type="checkbox"/> Goggles	HAND (GLOVE TYPE)		<input checked="" type="checkbox"/> Butyl Rubber	<input type="checkbox"/> Polyvinyl alcohol	<input type="checkbox"/> Other (Specify):
				<input type="checkbox"/> Polyvinyl chloride	<input type="checkbox"/> Neoprene	<input type="checkbox"/> Natural rubber	<input type="checkbox"/> Polyethylene		
RESPIRATOR TYPE - <i>Use only NIOSH / MESA approved equipment</i>									
<input type="checkbox"/> Self-contained	<input type="checkbox"/> Supplied air	<input type="checkbox"/> Can or cartridge gas or vapor	<input checked="" type="checkbox"/> Filter-dust, fume, mist	<input type="checkbox"/> Other (Specify):					
OTHER PROTECTIVE EQUIPMENT									
<input checked="" type="checkbox"/> Rubber boots	<input checked="" type="checkbox"/> Apron	<input type="checkbox"/> Other (specify):							

SPECIAL PRECAUTIONS	PRECAUTIONARY NOTES								
	<input checked="" type="checkbox"/> Wash Thoroughly after handling	<input checked="" type="checkbox"/> Do not get in eyes, or on clothing	<input checked="" type="checkbox"/> Do not breathe dust, vapor, mist, gas	<input checked="" type="checkbox"/> Keep container closed	<input type="checkbox"/> Keep away from sparks, and open flames	<input checked="" type="checkbox"/> store in tightly closed containers			
	<input type="checkbox"/> Do not store near Combustibles	<input checked="" type="checkbox"/> Keep from contact with clothing and other combustible materials	<input checked="" type="checkbox"/> Empty container may contain hazardous residues	<input type="checkbox"/> Use explosion proof equipment	<input type="checkbox"/> Other (Specify):				
Other handling and storage conditions    Do Not Transfer The Material To Unmarked Containers/									
<b>STORE IN COOL DRY AREA. USE GOOD HOUSEKEEPING.</b>									

Prepared by	Date	Address	Phone
	12/04	1901 S. 12 <sup>TH</sup> ST, ALLENTOWN, PA 18103	(610) 798-9222

PLEASE NOTE "The above information is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, CHEM AND LUBE MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use."