

CHEM AND LUBE		<b>MATERIAL SAFETY DATA SHEET</b>			ADDRESS: 1901 S. 12 <sup>TH</sup> ST ALLENTOWN, PA 18103	
PRODUCT IDENTIFICATION	PRODUCT NAME <b>Syn Protect</b>			Code No.		Emergency Phone Number(s)  Business: (610) 798-9222 Other:
	SYNONYMS <b>Synthetic Rust Preventative</b>			12/04		
				Chemical Family <b>Diethanolamine</b>		
INGREDIENTS	MATERIALS OR COMPONENTS		%W	CAS NUMBER		CARCINOGEN OSHA OR IARC
	Diethanolamine					
SHIPPING INFORMATION	None					
PHYSICAL PROPERTIES	Boiling Point/Range °C 212 °F		Melting Point °C N/A °F		Freezing Point °C N/A °F	
	Specific Gravity (H <sub>2</sub> O=1) 1.13		Vapor Pressure (mm Hg) N/A °C °F		Molecular weight (Calculated) N/A	
	Solubility in H <sub>2</sub> O COMPLETE		% Volatiles by Volume N/A		Evaporation Rate N/A <input type="checkbox"/> Either = 1 <input type="checkbox"/> Water = 1 <input type="checkbox"/> Butylacetate =1	
	Appearance and Odor TRANSPARENT RED LIQUID				Other	
FIRE AND EXPLOSION DATA	Flash Point Base Oil °C N/A °F		Test Method		Flammable Limits Lower NA % Upper %	
					Autoignition Temperature/Fire Point °C N/A °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 checked="" type="checkbox"/> Other (Specify): <b>NIOSH/MSHA APPROVED RESPIRATOR DEMANDED</b>						
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 type="checkbox"/> Strong Acids <input type="checkbox"/> Strong Alkalis <input checked="" type="checkbox"/> Strong Oxidizers <input type="checkbox"/> Other (Specify):					
	HAZARDOUS DECOMPOSITION PRODUCTS - THERMAL AND OTHER (list) <b>OXIDES OF CARBON, NITROGEN AND SMOKE</b>					
	CONDITIONS TO AVOID <input checked="" type="checkbox"/> Heat <input checked="" type="checkbox"/> Open Flames <input checked="" type="checkbox"/> Sparks <input checked="" type="checkbox"/> Ignition sources <input type="checkbox"/> Other (specify):					
SPILL OR LEAK	STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED <input type="checkbox"/> Flush with Water <input checked="" type="checkbox"/> Absorb with sand or inert material <input 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					
	WASTE DISPOSAL METHOD - Consult federal, state, or local authorities for proper disposal procedures. <b>ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS.</b>					

NA - Not Applicable

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

TOXICITY INFORMATION	CONDITIONS TO AVOID		
	PRIMARY ROUTES OF ENTRY <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> SKIN CONTACT <input checked="" type="checkbox"/> OTHER (Specify) INGESTION		
	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>

HEALTH HAZARD INFORMATION	HMS Rating		
	Health ..... 0 Flammability..... 1 Reactivity ..... 0 Protective Equipment..... B		
	PERMISSIBLE EXPOSURE LIMIT (Specify if TLV/TWA or Ceiling [c])		Other:
	<b>2 mg/m3</b>		
	IRRITATION	<input checked="" type="checkbox"/> Skin Severe <input checked="" type="checkbox"/> Eye Severe	<input checked="" type="checkbox"/> Moderate Mild (Transient) <input checked="" type="checkbox"/> Moderate Mild (Transient)
	CORROSIVITY	<input type="checkbox"/> Skin 4 hrs. (DOT) <input type="checkbox"/> Eye May cause blindness	<input type="checkbox"/> 24 hrs (CPSC) <input checked="" type="checkbox"/> Not Corrosive
	SENSITIZATION	<input type="checkbox"/> Skin <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> None	INHALATION EFFECTS <input type="checkbox"/> Narcotic effect <input type="checkbox"/> Cyanosis <input type="checkbox"/> Asphyxiant
	LUNG EFFECTS (Specify): <b>N/A</b>		
	OTHER (Specify): <input 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 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 type="checkbox"/> Get medical attention <input 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 type="checkbox"/> Use with adequate ventilation <input type="checkbox"/> Check for air contamination and oxygen deficiency <input type="checkbox"/> Other (Specify):			
	EYE	<input checked="" type="checkbox"/> Safety glasses <input checked="" type="checkbox"/> Face Shield <input checked="" type="checkbox"/> Goggles	HAND (GLOVE TYPE)	<input type="checkbox"/> Polyvinyl chloride <input checked="" type="checkbox"/> Neoprene <input type="checkbox"/> Butyl Rubber <input type="checkbox"/> Natural rubber <input type="checkbox"/> Polyvinyl alcohol <input type="checkbox"/> Polyethylene <input type="checkbox"/> Other (Specify):
	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 type="checkbox"/> Rubber boots <input type="checkbox"/> Apron <input type="checkbox"/> Other (specify):				

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

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

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