



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - MANUFACTURER OR SUPPLIER DATA

MSDS NUMBER

100822

MANUFACTURER'S NAME & MAILING ADDRESS <b>U S Chemical Corporation</b> 316 Hart Street Watertown, Wisconsin 53094 USA		PREPARED BY <b>D. E. Kenas</b>		SIGNATURE <i>David E. Kenas</i>		TITLE <b>Quality Assurance Manager</b>		DATE <b>12-20-99</b>	
EMERGENCY TELEPHONE NO. (24 HOUR SERVICE) <b>Medical Emergency ONLY: 1-800-851-7145 Ext. 075</b>				PRODUCT INFORMATION TELEPHONE NO. (8 AM TO 5 PM CST. MON - FRI) <b>Product Information: 1-800-558-9566</b>					

## SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME <b>FRESH AND CLEAN LAUNDRY DETERGENT</b>				
PRODUCT DESCRIPTION <b>Laundry Detergent (Nonionic and Anionic Surfactants)</b>			FORMULA <b>Proprietary Blend</b>	CHEMICAL FAMILY <b>N.A.</b>
DOT PROPER SHIPPING NAME <b>Not Regulated by D.O.T.</b>				
REGULATED IDENTIFICATION	SHIPPING ID NUMBER <b>N.A.</b>	PACKING GROUP <b>N.A.</b>	HAZARD CLASS <b>N.A.</b>	

## SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT <b>N.A.</b>	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) <b>1.022</b>	PHYSICAL FORM <b>Liquid</b>	COLOR <b>Blue</b>
VAPOR PRESSURE (mm Hg) <b>N.A.</b>	MELTING POINT <b>N.A.</b>	SOLUBILITY IN WATER <b>Complete</b>	SCENT <b>Lemon</b>
VAPOR DENSITY (AIR = 1) <b>N.A.</b>	EVAPORATION RATE (BUTYL ACETATE = 1) <b>N.A.</b>	pH 2500 ppm SOLUTION <b>N.A.</b>	pH CONCENTRATE <b>10.2</b>
OTHER <b>Slightly Viscous, Clear Solution.</b>			

## SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (CHEMICAL NAME: COMMON NAME)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PERCENT WT/WT
<b>Triethanolamine: TEA</b> CAS Registry Number 102-71-6	Not Established	5 mg/m3 TWA	Not Established	1.0-5.0
<p>This product contains no other ingredient considered hazardous according to the criteria of 29 CFR 1910.1200, OSHA. However, this product contains chemicals which may be subject to reporting requirements according to the criteria of SARA Title III, 40 CFR, Part 370, Section 311 and Section 312.</p> <p><b>STATE RIGHT TO KNOW INFORMATION</b></p> <p>THIS PRODUCT CONTAINS: WATER/7732-18-5, NONOXYNOL/9016-45-9, SODIUM LAURETH SULFATE/9004-82-4, SODIUM XYLENESULFONATE/1300-72-7, TRIETHANOLAMINE/102-71-6</p>				
<b>NFPA RATING: Health-2/Flammability-0/Reactivity-0</b> <b>HMS RATING: Health-2/Flammability-0/Reactivity-0</b>	See Section 5 for Protective Equipment.			
<p><b>CARCINOGENICITY:</b></p> <p>This product does not contain any known carcinogens or anticipated carcinogens according to the criteria of the NTP Annual Report on Carcinogens, IARC Monographs, and OSHA 29 CFR 1910, Subpart Z.</p>				

(CONTINUED IN SECTIONS 5 TO 8)

## SECTION 5 - SAFE USAGE DATA

<b>PROTECTIVE EQUIPMENT TYPES</b>	EYES	Safety glasses with side shields and an eye-wash station.	
	RESPIRATORY	GLOVES	Rubber or Neoprene.
	None required with normal use.		
	OTHER	If major exposure is possible to eye/skin, wear/use appropriate protective equipment.	
<b>VENTILATION</b>	GENERAL MECHANICAL	Satisfactory. Maintain adequate ventilation. Keep levels below recommended TLV.	
	LOCAL EXHAUST	Not ordinarily needed. Avoid inhalation of mists containing this product.	
<b>PRECAUTIONS</b>	HANDLING & STORAGE	Follow all label directions. Instruct personnel about proper use, hazards, precautions, and first-aid measures. Avoid inhalation, ingestion and contact with skin and eyes.	
		Rotate stock regularly. Handle carefully to avoid damaging container. Keep container closed when not in use. Recommended storage temp below 100°F. Do not freeze. Keep out of children's reach.	

## SECTION 6 - HEALTH HAZARD DATA

<b>EFFECTS OF EXPOSURE</b>	INHALATION	Inhalation of mists may cause irritation to nose, throat, and mucous membranes, tissue damage, and pulmonary irritation. Severity depends upon degree of exposure.	
	INGESTION	May cause nausea, vomiting, and tissue damage to mouth, esophagus, stomach, and to other tissues with which contact is made. Severity depends upon degree of exposure.	
	SKIN & EYES	SKIN: Contact may cause mild to severe irritation, depending on degree of exposure.	
		EYES: Contact may cause severe irritation, temporary or permanent vision loss, and blindness.	
	ACUTE & CHRONIC	ACUTE: Irritation to skin and eyes. Permanent eye damage may result without immediate first aid treatment. CHRONIC: None Known.	
<b>ROUTES OF ENTRY</b>	INGESTION-X SKIN-X	SKIN ABSORPTION- EYES-X	INHALATION- TARGET ORGANS Eyes, Skin.

## SECTION 7 - PHYSICAL HAZARD DATA

<b>FLAMMABILITY</b>	LEL = N.A. UEL = N.A.	FLASH POINT = N.A.	METHOD USED = N.A.
<b>STABILITY</b>	STABLE	X	CONDITIONS TO AVOID Avoid mixing with any other cleaning product. Mix only with water. Do not store at high temperatures. Recommended storage temperature <100°F.
	UNSTABLE		HAZARDOUS DECOMPOSITION PRODUCTS Mixing with incompatible materials may produce carbon dioxide, hydrogen, and other toxic and irritating fumes.
<b>HAZARDOUS POLYMERIZATION</b>	MAY OCCUR	X	CONDITIONS TO AVOID
	WILL NOT OCCUR		N.A.
<b>INCOMPATIBILITY</b>	MATERIALS TO AVOID Acidic materials and oxidizing agents.		

## SECTION 8 - EMERGENCY RESPONSE DATA

<b>FIRE</b>	EXTINGUISHING MEDIA	For fires in area, use appropriate media. For example: Water spray, dry chemical, carbon dioxide, or alcohol foam.
	SPECIAL PROCEDURES	Evacuate area of unprotected and unnecessary personnel.
	UNUSUAL HAZARDS	Not Applicable.
<b>FIRST AID MEASURES</b>	INGESTION: Do not induce vomiting. If patient is conscious and can swallow, administer milk or water. SKIN: Remove contaminated clothes, flood with water for 15 minutes. EYES: Flood with lukewarm (not hot) water poured from a large glass 2 or 3 inches from eyes. Remove contacts. Have patient blink as much as possible while flooding the eyes. Continue for 15 minutes. INHALATION: Move victim to fresh air. Give artificial respiration if patient is not breathing. ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-851-7145 Ext 075 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.	
	<b>SPILLS</b>	STEPS TO BE TAKEN Wear proper protective equipment including rubber boots. Stop leak if you can do so without risk. Dike or dam large spills. Ventilate area if needed. Soak up with sand or other non-combustible inert absorbent materials. Flush area with water and follow with normal clean-up procedures. Keep combustibles away! Be careful as spills are slippery.
<b>WASTE DISPOSAL METHOD</b>	Comply with all federal, state, and local regulations. Consult state and local authorities for restrictions on disposal of chemical waste. If approved, may be diluted and drained to a municipal sewer or waste treatment plant. Rinse empty container thoroughly with water before discarding. Please recycle empty container whenever possible.	

THE DATA IN THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR PROCESS. THE DATA CONTAINED IS BELIEVED TO BE ACCURATE. HOWEVER, SINCE USE CONDITIONS VARY AND ARE OUTSIDE OUR CONTROL, THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, AND ASSUMES NO LIABILITY FOR FAILURE TO FOLLOW PRODUCT USE DIRECTIONS AND SAFETY PRECAUTIONS.