

**MATERIAL SAFETY DATA SHEET**  
**SECTION 1 - MANUFACTURER OR SUPPLIER DATA**

MSDS NUMBER  
101860

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

**SECTION 2 - IDENTITY OF MATERIAL**

PRODUCT NAME ALL TEMPERATURE LAUNDRY DETERGENT			
PRODUCT DESCRIPTION Alkaline Laundry Detergent		FORMULA Proprietary Blend	CHEMICAL FAMILY N.A.
DOT PROPER SHIPPING NAME Not Regulated by D.O.T.			
REGULATED IDENTIFICATION	SHIPPING ID NUMBER	PACKING GROUP	HAZARD CLASS
N.A.	N.A.	N.A.	N.A.

**SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT N.A.	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) N.A.	PHYSICAL FORM Granular Powder	COLOR White
VAPOR PRESSURE (mm Hg) N.A.	MELTING POINT N.A.	SOLUBILITY IN WATER Moderate	SCENT Floral
VAPOR DENSITY (AIR = 1) N.A.	EVAPORATION RATE (BUTYL ACETATE = 1) N.A.	pH 2500 ppm SOLUTION 11.2	pH CONCENTRATE N.A.
OTHER N.A.			

**SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

HAZARDOUS COMPONENTS (CHEMICAL NAME, COMMON NAME)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PERCENT WT./WT.
Sodium Metasilicate CAS Registry Number 6834-92-0	Not Established	Not Established	2 mg/m <sup>3</sup> Ceiling Limit (PQ Corporation)	10.0
Sodium Carbonate: Soda Ash CAS Registry Number 497-19-8	Not Established	Not Established	Not Established	40.0-70.0

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.

**STATE RIGHT TO KNOW INFORMATION**

THIS PRODUCT CONTAINS: SODIUM CARBONATE/497-19-8, SODIUM CHLORIDE/7647-14-5, SODIUM METASILICATE/6834-92-0, MONOXYNOL/9016-45-9

NFPA RATING: Health-2/Flammability-0/Reactivity-0 See Section 5 for Protective Equipment.  
HMIS RATING: Health-2/Flammability-0/Reactivity-0 See Section 5 for Protective Equipment.

**CARCINOGENICITY:**

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.

(CONTINUED IN SECTIONS 5 TO 8)

**SECTION 5 - SAFE USAGE DATA**

PROTECTIVE EQUIPMENT TYPES	EYES Safety glasses with side shields and an eye-wash station.	
	RESPIRATORY Dust mask if handling creates air-borne dust.	GLOVES Rubber or Neoprene.
	OTHER If major exposure is possible to eye/skin, wear/use appropriate protective equipment.	
VENTILATION	GENERAL MECHANICAL Satisfactory. Maintain adequate ventilation. Keep levels below recommended TLV. LOCAL EXHAUST Not ordinarily needed. Avoid inhalation of dust containing this product.	
PRECAUTIONS	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 temperature below 100°F. Keep out of children's reach.	

**SECTION 6 - HEALTH HAZARD DATA**

EFFECTS OF EXPOSURE	INHALATION Inhalation of dust containing this product may cause irritation to nose, throat, and mucous membranes. 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: Corrosive. Causes eye burns. May cause temporary or permanent vision loss and blindness.
	ACUTE & CHRONIC ACUTE: Irritation to skin and respiratory system. Causes eye burns. Permanent eye damage may result without immediate first aid treatment. CHRONIC: None Known.
ROUTES OF ENTRY	INGESTION-X SKIN ABSORPTION-X TARGET ORGANS SKIN-X EYES-X INHALATION-X Eyes.

**SECTION 7 - PHYSICAL HAZARD DATA**

FLAMMABILITY	LEL = N.A. UEL = N.A.	FLASH POINT = N.A.	METHOD USED = N.A.
STABILITY	STABLE	CONDITIONS TO AVOID Avoid mixing with any other cleaning product. Mix only with water. Avoid temp. >100°F and high humidity as these conditions contribute to caking.	HAZARDOUS DECOMPOSITION PRODUCTS Warning! Mixing with incompatible materials may produce carbon dioxide, hydrogen, and other toxic and irritating fumes.
	UNSTABLE		
HAZARDOUS POLYMERIZATION	MAY OCCUR WILL NOT OCCUR	CONDITIONS TO AVOID N.A.	
INCOMPATIBILITY	MATERIALS TO AVOID Acidic materials and oxidizing agents such as sodium hypochlorite or bleach.		

**SECTION 8 - EMERGENCY RESPONSE DATA**

FIRE	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.
FIRST AID MEASURES	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.
SPILLS	STEPS TO BE TAKEN Use proper protective equipment. Carefully sweep up and shovel into dry containers without raising dust. Cover containers and move containers out of spill area.
	Flush area with water and follow with normal clean-up procedures.
WASTE DISPOSAL METHOD	Comply with all federal, state, and local regulations. Consult state and local authorities for restrictions on disposal of chemical waste. 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.