U S Chemical 006

MATERIAL SAFETY DATA SHEET

MSDS NUMBER US94100 006Z XX

SECTION 1 - MANUFACTURER OR SUPPLIER DATA

MANUFACTURER'S NAME & MAILING ADDRESS	PREPARED BY	SIGNATURE
U S Chemical - A DIVISION OF HYDRITE CHEMICAL CO. 316 Hart Street Watertown, Wisconsin 53094 USA	D. E. Kenas	David E. Kenas
	TITLE: Quality Assurance Manager	DATE: 9-1-94
EMERGENCY TELEPHONE NO. (24 HOUR SERVICE): Medical Emergency ONLY: 1-800-228-5635 Ext. 075	PRODUCT INFORMATION TELEPHONE NO. (8-5 CST): Product Information: 1-800-558-9566	

SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME: SNOW-BRITE DETERGENT			
PRODUCT DESCRIPTION: Alkaline Laundry Detergent (Anionic and Nonionic Surfactants)		FORMULA: Proprietary Blend	CHEMICAL FAMILY: N.A.
REGULATED IDENTIFICATION	DOT PROPER SHIPPING NAME: Not Regulated by D.O.T.		
	SHIPPING ID NUMBER: N.A.	HAZARD CLASS: N.A.	

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N.A.	SPECIFIC GRAVITY (H2O = 1): N.A.	PHYSICAL FORM: Granular Powder	COLOR: White
VAPOR PRESSURE (mm Hg): N.A.	MELTING POINT: N.A.	SOLUBILITY IN WATER: Moderate	SCENT: Fresh Lemon-Lime
VAPOR DENSITY (AIR = 1): N.A.	EVAPORATION RATE (BUTYL ACETATE = 1): N.A.	pH 2500 ppm SOLUTION: 11.4	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
Sodium Metasilicate CAS Registry Number 6834-92-0	Not Established	Not Established	2 mg/m3 as NaOH (Crosfield Chemicals)	10.0-30.0
Sodium Tetraborate Decahydrate: Borax CAS Registry Number 1303-96-4	10 mg/m3 TWA	5 mg/m3 TWA	None	1.0-5.0
Trisodium Nitrilotriacetate, Monohydrate CAS Registry Number 18662-53-8	Not Established	Not Established	1 mg/m3 TWA 2 mg/m3 STEL Total Dust	5.0-10.0
Sodium Carbonate: Soda Ash CAS Registry Number 497-19-8	Not Established	Not Established	Not Established	30.0-70.0

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 METASILICATE/6834-92-0, SODIUM CHLORIDE/7647-14-5, TRISODIUM NITRILOTRIACETATE MONOHYDRATE/18662-53-8, SODIUM TETRABORATE DECAHYDRATE/1303-96-4

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 contains the Trisodium Salt, Monohydrate form of Nitrilotriacetic Acid, commonly known as NTA. Nitrilotriacetic Acid (CAS Registry Number 139-13-9) is a National Toxicology Program listed anticipated carcinogen and is identified as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200). However, the U. S. EPA has taken no action to restrict use of NTA in laundry detergents because "the risks of using laundry detergents containing NTA are not significant". (See the Nov. 3, 1980, Federal Register, Volume 45, pages 72778 - 72780). Therefore, we believe NTA has been shown to be safe for use under normal conditions in laundry detergents since there is not direct, prolonged human contact.

SECTION 5 - SAFE USAGE DATA

PROTECTIVE EQUIPMENT TYPES	EYES: Safety glasses and an eye-wash station.	
	RESPIRATORY: Dust mask for handling greater than 25 lbs.	GLOVES: If prolonged contact is anticipated, wear rubber gloves.
	OTHER: Wear full-cover protective clothing to prevent repeated or prolonged contact.	
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-SKIN-X EYES-X INHALATION-X	TARGET ORGANS: Eyes.

SECTION 7 - PHYSICAL HAZARD DATA

FLAMMABILITY	LEL = N.A. UEL = N.A.	FLASH POINT = N.A.	METHOD USED = N.A.
STABILITY	STABLE: X	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.	
	UNSTABLE:	HAZARDOUS DECOMPOSITION PRODUCTS: Warning! Mixing with incompatible materials may produce carbon dioxide, hydrogen, and other toxic and irritating fumes.	
HAZARDOUS POLYMERIZATION	MAY OCCUR:	CONDITIONS TO AVOID	
	WILL NOT OCCUR: X	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 1-800-228-5635 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.	
RQ = N.A.	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, U S CHEMICAL • A DIVISION OF HYDRITE CHEMICAL CO. MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, AND ASSUMES NO LIABILITY FOR FAILURE TO FOLLOW PRODUCT USE DIRECTIONS AND SAFETY PRECAUTIONS.