



MATERIAL SAFETY DATA SHEET

SECTION 1 - MANUFACTURER OR SUPPLIER DATA

MSDS NUMBER
US95100 6139 XX

MANUFACTURER'S NAME & MAILING ADDRESS U S Chemical - A DIVISION OF HYDRITE CHEMICAL CO. 316 Hart Street Watertown, Wisconsin 53094 USA		PREPARED BY D. E. Kenas	SIGNATURE <i>David E. Kenas</i>	G
EMERGENCY TELEPHONE NO. (24 HOUR SERVICE) Medical Emergency ONLY: 1-800-228-5635 Ext. 075		TITLE Quality Assurance Manager	DATE 1-5-95	
		PRODUCT INFORMATION TELEPHONE NO. (8-5 CST) Product Information: 1-800-558-9566		

SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME IND/COM SOUR			
PRODUCT DESCRIPTION Powdered Acidic Laundry Sour		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 (H ₂ 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 None Added
VAPOR DENSITY (AIR = 1) N.A.	EVAPORATION RATE (BUTYL ACETATE = 1) N.A.	pH 2500 ppm SOLUTION 3.3	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 Fluosilicate: Sodium Silicofluoride CAS Registry Number 16893-85-9	2.5 mg/m ³ TWA Fluorides, as F	2.5 mg/m ³ TWA Fluorides, as F	None	60.0-100.0
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 SILICOFLOURIDE/16893-85-9, SODIUM CHLORIDE/7647-14-5				
NFPA RATING: Health-2/Flammability-0/Reactivity-0 HMIS RATING: Health-3/Flammability-0/Reactivity-0		See Section 5 for Protective Equipment. 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 ON REVERSE SIDE)

SECTION 5 - SAFE USAGE DATA

PROTECTIVE EQUIPMENT TYPES	EYES	Splash-proof safety glasses, safety goggles, and an eye-wash station.	
	RESPIRATORY	Dust mask for handling greater than 25 lbs.	GLOVES
	OTHER		Rubber (Latex).
VENTILATION	Wear full-cover protective clothing to prevent repeated or prolonged contact.		
	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. Use clean, dry utensils to avoid contamination. Keep out of children's reach.		

SECTION 6 - HEALTH HAZARD DATA

EFFECTS OF EXPOSURE	INHALATION	Inhalation of dust or mist containing this product may cause irritation to nose, throat, and mucous membranes, tissue damage, and pulmonary irritation. Wet powder is corrosive.	
	INGESTION	Harmful or fatal if swallowed. May cause discomfort, nausea, vomiting, and severe tissue damage to mouth, esophagus, stomach, and to other tissues. Corrosive to mouth, throat and stomach.	
	SKIN & EYES	SKIN: Mild to severe irritation, depending on degree of exposure. Wet powder is corrosive. EYES: Corrosive. Causes eye burns. Contact may cause temporary or permanent vision loss & blindness.	
	ACUTE & CHRONIC	ACUTE: Irritation to skin & respiratory system. Causes eye burns. Permanent eye damage may result without immediate first aid treatment. Toxic by ingestion. CHRONIC: Repeated overexposure can cause excessive calcification of bones.	
ROUTES OF ENTRY	INGESTION-X	SKIN ABSORPTION-X	TARGET ORGANS
	SKIN-X	EYES-X	Inhalation-X
			Eyes, Skin, Respiratory System.

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 Toxic, irritating, and corrosive gases such as hydrogen fluoride, hydrogen, fluorine, and chlorine can be produced.
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	N.A.
INCOMPATIBILITY	MATERIALS TO AVOID Acidic materials, alkaline materials, and chlorinated compounds. Avoid bleach.		

SECTION 8 - EMERGENCY RESPONSE DATA

FIRE	EXTINGUISHING MEDIA	Small Fire: Dry chemical, carbon dioxide, water spray or foam. Large Fires: Water spray, fog or foam.
	SPECIAL PROCEDURES	Evacuate area of unprotected personnel. Wear protective clothing, goggles, and face shield. Cool fire-exposed containers with water spray.
	UNUSUAL HAZARDS	Will decompose to toxic and corrosive gases in fire. Acid respirator or self-contained air packs would be required.
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.	
RO -	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.	