



MATERIAL SAFETY DATA SHEET

SECTION 1 - MANUFACTURER OR SUPPLIER DATA

256463
241318 *Agel*
MSDS NUMBER
US95100 382Z 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> H
EMERGENCY TELEPHONE NO. (24 HOUR SERVICE) Medical Emergency ONLY: 1-800-228-5635 Ext. 075	TITLE Quality Assurance Manager	DATE 9-12-95
PRODUCT INFORMATION TELEPHONE NO. (8-5 CST) Product Information: 1-800-558-9566		

SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME GFS CRYSTAL DRI		
PRODUCT DESCRIPTION Mechanical Dishmachine Rinse Additive (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) 1.020	PHYSICAL FORM Liquid	COLOR Blue
VAPOR PRESSURE (mm Hg) N.A.	MELTING POINT N.A.	SOLUBILITY IN WATER Complete	SCENT None Added
VAPOR DENSITY (AIR = 1) N.A.	EVAPORATION RATE (BUTYL ACETATE = 1) N.A.	pH 2500 ppm SOLUTION N.A.	pH CONCENTRATE 5.0
OTHER Slightly Viscous, Clear Blue Solution			

SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (CHEMICAL NAME; COMMON NAME)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PERCENT
Polyoxypropylene-Polyoxyethylene Block Copolymer CAS Registry Number 9003-11-6	Not Established	Not Established	Not Established	7.0-13.0
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: WATER/7732-18-5, AMINE POLYGLYCOL CONDENSATE/68603-58-7, MEROXAPOL/9003-11-6, ALKYLARYL POLYETHER/60864-33-7				
NFPA RATING: Health-1/Flammability-0/Reactivity-0 See Section 5 for Protective Equipment. HMIS RATING: Health-1/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 ON REVERSE SIDE)				

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SECTION 5 - SAFE USAGE DATA

PROTECTIVE EQUIPMENT TYPES	EYES None required with normal use.	
	RESPIRATORY None required with normal use.	GLOVES None required with normal use.
	OTHER Use Good Standard Industrial Hygiene Practices.	
VENTILATION	GENERAL MECHANICAL Satisfactory. Maintain adequate ventilation. Keep levels below recommended TLV.	
	LOCAL EXHAUST None required with normal use.	
PRECAUTIONS	HANDLING & STORAGE Follow all label directions. Instruct personnel about proper use, hazards, precautions, and first-aid measures. Avoid ingestion and contact with 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 None Known.		
	INGESTION May cause discomfort, nausea, vomiting, and irritation to mouth, esophagus, stomach, and to other tissues with which contact is made.		
	SKIN & EYES SKIN: Prolonged exposure to concentrate may cause slight irritation to highly sensitive skin. EYES: Contact may cause tearing, and mild to severe irritation depending upon exposure.		
	ACUTE & CHRONIC ACUTE: Irritation to eyes. CHRONIC: None Known.		
ROUTES OF ENTRY	INGESTION-X	SKIN ABSORPTION-	TARGET ORGANS
	SKIN-	EYES-X	INHALATION- None Known.

SECTION 7 - PHYSICAL HAZARD DATA

FLAMMABILITY	LEL = N.A. UEL = N.A.	I	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. Do not store at high temperatures. Recommended storage temperature below 100° F.	
	UNSTABLE		HAZARDOUS DECOMPOSITION PRODUCTS None known.	
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID	
	WILL NOT OCCUR	X	N.A.	
INCOMPATIBILITY	MATERIALS TO AVOID Strong oxidizing agents. Avoid direct contact with sodium hypochlorite or bleach and reducing agents.			

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, then flood with water.
	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.
	ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-228-5635 Ext. 075 OR CONTACT A PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.
SPILLS RQ - N.A.	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.
	WASTE DISPOSAL METHOD 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, 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.