U) U S Chemical

SECTION 1 - MANUFACTURER OR SUPPLIER DATA US96100 3472 XX

MANUFACTURER'S NAME & MAILING ADDRESS	PREPAREO BY	SIGNATURE		
U S Chemical - A Division OF HYDRITE CHEMICAL CO.	D. E. Kenas	David E.	Kenas	c
316 Hart Street	TITLE		DATE	<u></u> -
Watertown, Wisconsin 53094 USA	Quality Assurance M	anager	2-1-96	
EMERGENCY TELEPHONE NO. (24 HOUR SERVICE)	PRODUCT INFORMATION TE	EPHONE NO. (8-5 CST)	1	
Medical Emergency ONLY: 1-800-228-5635 Ext. 075	Product Information	: 1-800-558-9566		

SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME		· · · · · · · · · · · · · · · · · · ·		
GFS ACID D-LI	ME	GFS ID NO:	4/1 - 279668	` .
PRODUCT DESCRIPTION		- · · · · · · · · · · · · · · · · · · ·	FORMULA	CHEMICAL FAMILY
Lime Solvent (Acid	Detergent)		Proprietary Blend	N.A.
REGULATED	CORPOSIVE LIQUID, ACIDIC, INORGA	NIC, N.O.S. (CONTA	AINS HYDROCHLORIC ACI	D, PHOSPHORIC ACID)
IDENTIFICATION	SHIPPING IO NUMBER	HAZARD CLASS		
	UN3264	8 (CORROSIVE MA	TERIAL) PACKING (ROUP: 11

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	SPECIFIC GRAVITY (H2O = 1)	PHYSICAL FORM	COLOR
N.A.	1.150	Liquid	Green
VAPOR PRESSURE (mm Hg)	MELTING POINT	SOLUBILITY IN WATER	SCENT
N.A	N.A.	Complete	None Added
VAPOR DENSITY (AIR = 1)	EVAPORATION RATE (BUTYL ACETATE = 1)	pH 2500 ppm SQLUTION	pH CONCENTRATE
N.A. OTHER	N.A.	N.A.	Less Than 2.0

SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARÓDUS COMPONENTS (CHEMICAL NAME: COMMON NAME)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PÉRCENT
Orthophosphoric Acid: Phosphoric Acid	1 mg/m3	1 mg/m3	3 mg/m3 STEL	15.0-40.0
CAS Registry Number 7664-38-2	TWA	TWA	(ACGIH/OSHA)	.5,0
Hydrochloric Acid: Muriatic Acid CAS Registry Number 7647-01-0	5 ppm Ceiling Limit	5 ppm Ceiling Lim	None it	1.0-5.0
This product contains no other ingredient con: OSHA. However, this product contains chemica	is which may be subj	ect to repor	tina regulrements	according to
the criteria of SARA Title III, 40 CFR, Part :	370, Soction 311 and	Section 312	. This product al	so contains
chemicals which may be subject to reporting re	equirements accordin	ng to the cri	teria of SARA Titl	e III, 40 CFR
Part 372, Section 313.				
STATE RIGHT TO KNOW INFORMATION				
	N10010 1010 M444	- IBUTEONETI AT	TO AUTO MICAR OF A	
THIS PRODUCT CONTAINS: WATER/7732-18-5, PHOSI POLOXAMER/9003-11-6	HORIC ACID/7664-38-	-2, HILHUHIDI	dic ACLD//647-01-0	
, acamaicity 3003-11-0				
NFPA RATING: Health-3/Flammability-0/Reactiv	Ity-0 See Section	5 for Proto	ctive Equipment.	-
HMIS RATING: Health-3/Flammability-0/Reactiv	•		ctive Equipment.	
		. 2 .01 .1016	CITYO EQUIPMONI.	
CARCINOGENICITY:				
This product does not contain any known carcin	nogens or anticipate	nepon lorac be	s according to the	criteria of
the NTP Annual Report on Carcinogens, IARC Mod	nographs, and OSHA 2	29 CFR 1910.	Subpart Z.	CI.110.10

SECTION 5 - SAFE USAGE DATA

	Splash-proof safety glasses, safety goggles, and an eye-wash station.					
PROTECTIVE						
EDUIPMENT TYPES	RESPIRATORY	GLOVES Rubber (Latex). Protective Cuft or				
	None required with normal use.	Gauntlet Type Preferred.				
	OTHER					
	Wear full-cover protective clothing to prevent repeated or prolonged contact.					
	GENERAL MECHANICAL					
VENTILATION	Satisfactory. Maintain adequate ventilation. Keep levels below recommended TLV.					
VENTILATION	LOCAL EXHAUST					
	Not ordinarily needed. Avoid inhalation of mists containing this product.					
	HANDLING & STORAGE Follow all label directions.	nstruct personnel about proper use, hazards,				
PRECAUTIONS	precautions, and first-aid measures. Avoid inhalation, ingestion and contact with skin and eyes.					
		old damaging container. Keep container closed when				
	not in use. Recommended storage temperature bel	ow 100° F. Keep out of children's reach,				

SECTION 6 - HEALTH HAZARD DATA

Do not allow to freeze.

	INHALATION Corrosive. Inhalation of mist may cause irritation to nose, throat and mucous membranes,
	pulmonary irritation, pulmonary edema, tissue damage and chemical burns.
EFFECTS OF EXPOSURE	INGESTION Corrosive. Harmful or fatal if swallowed. May cause nausea, vomiting, and severe tissue
EXPUSURE	damage to digestive tract. Corrosive to mouth, throat, stomach and to other tissues.
	SKIN & EYES SKIN: Corrosive. Contact may cause severe irritation, dermatitis, and chemical burns.
	EYES: Corrosive. Causes eye burns. May cause temporary or permanent vision loss and blindness.
	ACUTE & CHRONIC ACUTE: Corrosive to all body tissues. Harmful skin contact may not cause immediate
	pain. Permanent eye damage may result without immediate first aid treatment. CHRONIC: None Known
ROUTES OF	NGESTION-X SKIN ABSORPTION- TARGET ORGANS
	KIN-X EYES-X INHALATION-X Eves, Skin, Respiratory System.

SECTION 7 - PHYSICAL HAZARD DATA

FLAMMABILITY	LEL = N.A.			FLASH POINT - N.A.	METHOD USED = N.A.		
	UEL = N.A.						
	STABLE	V	CONDITIONS	TO AVOID Avoid mixing with any	other cleaning product. Mix only with water		
STABILITY		X			Recommended storage temperature below 100°		
	UNSTABLE		HAZARDOUS DECOMPOSITION PRODUCTS May react with certain metals to produce flammable				
	ž			gas. Mixing with strong ai			
HAZARDOUS	MAY OCCUR		CONDITIONS	YO AVOID			
POLYMERIZATION	WILL NOT OCCUR	X	N.A.				
INCOMPATIBILITY	MATERIALS TO AVI	OIO	Alkaline r	materials, chlorinated compo	unds, and metals such as aluminum, zinc,		
	tin, etc., ar				id sodium hypochlorite or bleach.		

SECTION 8 - EMERGENCY RESPONSE DATA

	EXTINGUISHING MEDIA For fires in area, use appropriate media. For example: Water spray, dry chemical, carbon dioxide. or alcohol foam.
FIRE	
FIRE	SPECIAL PROCEDURES Evacuate area of unprotected personnel. Wear protective clothing, goggles, and face
į	shield. Cool fire-exposed containers with water spray.
	UNUSUAL HAZARDS Product may react with some metals such as aluminum, zinc, tin, etc., to release
	flammable hydrogen gas.
	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
FIRST ALD MEASURES	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 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
RQ .	or other non-combustible inert absorbent materials. Flush area with water and follow with
N.A.	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
<u> </u>	discarding. Please recycle empty container whenever possible.

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