

MATERIAL SAFETY DATA SHEET

MSDS NUMBER

101/20

8006 SECTION 1 - MAI	NUFACTURER OR SUPPL	JER DATA 101430
MANUFACTURER'S NAME & MAILING ADDRESS	PREPARED BY	SIGNATURE
U S Chemical Corporation	D. E. Kenas	David E. Konne R
316 Hart Street	TITLE	DATE
Watertown, Wisconsin 53094 USA	Quality Assurance Mo	Anager 1-4-UZ
EMERGENCY TELEPHONE NO. (24 HOUR SERVICE)	PRODUCT INFORMATION TELE	PHONE NO. (8 AM TO 5 PM CST, MON - FRI)
Medical Emergency ONLY: 1-800-851-7145 Ext	. 075 Product Information	: 1-800-558-9566

101430

SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME	MU-II				·
PRODUCT DESCR	RIPTION		FO	RMULA	CHEMICAL FAMILY
Heavy Duty	Cleaner		Pa	roprietary Blend	N.A.
REGULATED	DOT PROPER SHIPPING NAME CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS POTASSIUM HYDROXIDE)				
IDENTIFICATION	SHIPPING IO NUMBER UN3266	PACKING GROUP	HAZARD CLASS 8 (CORROSIVE MATERIAL)		

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

OTHER Non-Viscous, Red Solut	1		
N.A.	N.A.	N.A.	Greater than 13.0
VAPOR DENSITY (AIR - 1)	EVAPORATION RATE (BUTYL ACETATE - 1	pH 2500 ppm SOLUTION	pH CONCENTRATE
N.A.	N.A.	Complete	None
VAPOR PRESSURE (mm Hg)	MELTING POINT	SOLUBILITY IN WATER	SCENT
BOILING POINT	SPECIFIC GRAVITY (H2O = 1) 1.061	PHYSICAL FORM Liquid	Red

SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS [CHEMICAL NAME: COMMON NAME]	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PERCENT WT/WT
Potassium Hydroxide: Caustic Potash	2 mg/m3	2 mg/m3	None	1.0-5.0
CAS Registry Number 1310-58-3	Ceiling Limit	Ceiling I	Limit	
Tetrapotassium Pyrophosphate	Not	Not	Not	1.0-5.0
CAS Registry Number 7320-34-5	Established Es	tablished	Established	

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, NONOXYNOL/9016-45-9, TETRAPOTASSIUM PYROPHOSPHATE/7320-34-5, POTASSIUM HYDROXIDE/1310-58-3, SODIUM XYLENESULFONATE/1300-72-7

See Section 5 for Protective Equipment. NFPA RATING: Health-3/Flammability-0/Reactivity-1 See Section 5 for Protective Equipment. HMIS RATING: Health-3/Flammability-0/Reactivity-1

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)

	EYES				
PROTECTIVE	Splash-proof safety glasses, safety goggles, and an eye-wash station.				
EQUIPMENT	RESPIRATORY	GLOVES			
TYPES	None required with normal use.	Rubber or Neoprene. Long type if needed.			
	OTHER				
	Wear full-cover protective clothing to prevent repeated or prolonged contact.				
	GENERAL MECHANICAL				
	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. In	setruct personnel about proper use, hazards,			
		ation, ingestion and contact with skin and eyes.			
PRECAUTIONS	Rotate stock regularly. Handle carefully to avoid damaging container. Keep container closed when				
	not in use. Recommended storage temp below 100°F	. Do not freeze. Keep out of children's reach.			

SECTION 6 - HEALTH HAZARD DATA

	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	I INDEDIEN A
	damage to digestive tract. Corrosive to mouth, throat, stomach and to other tissues.
	SKIN & EYES SKIN: Corrosive. Contact may cause severe irritation, dermatitie, and chemical burns.
	EYES: Corrosive. Causes eye burns. May cause temporary or permanent vision loss and blindness.
	ACUTE & CHRONE ACUTE: Corresive 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	INCESTION-X SKIN ABSORPTION- TARGET ORGANS
	SKIN-X EYES-X INHALATION-X Eyes, Skin, Respiratory System.

SECTION 7 - PHYSICAL HAZARD DATA

FLAMMABILITY	LEL = N.A.		FLASH POINT = N.A.	METHOD USED = N.A.
	UEL = N.A.			
	STABLE	х		any other cleaning product. Mix only with water. Recommended storage temperature <100°F.
UNSTABLE HAZARDOUS DECOMPOSITION PRODUCTS Mixing with incompatible materials may hydrogen, carbon monoxide, carbon dioxide, and other toxic and irr				ng with incompatible materials may produce a dioxide, and other toxic and irritating fumes.
HAZARDOUS	MAY OCCUR		CONDITIONS TO AVOID	
POLYMERIZATION	WILL NOT DODUR	X	N.A.	
INCOMPATIBILITY			Acidic materials, organic chemical or bronze) which can generate fla	ls, and various metals (Aluminum, magnesium, mmable hydrogen gas.

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	SPECIAL PROCEDURES Evacuate area of unprotected personnel. Wear protective clothing including a
	NIOSH-approved self-contained breathing apparatus.
	UNUSUAL HAZAROS 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 AID	hot) water poured from a large glass 2 or 3 inches from eyes. Remove contacts. Have patient blink as
MEASURES	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 SE 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 DEPOSAL 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, THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, AND ASSUMES NO LIABILITY FOR FAILURE TO FOLLOW PRODUCT USE DIRECTIONS AND SAFETY PRECAUTIONS.