



MATERIAL SAFETY DATA SHEET

MSDS NUMBER
101800

SECTION 1 - MANUFACTURER OR SUPPLIER DATA

MANUFACTURER NAME & MAILING ADDRESS QUS Chemical Corporation 316 West Street Westmont, Wisconsin 53094 USA EMERGENCY TELEPHONE NO. (24 HOUR SERVICE) Medical Emergency ONLY: 1-800-851-7145 Ext. 075	PREPARED BY D. E. Kees TITLE Quality Assurance Manager DATE 12-20-99	SIGNATURE <i>Daniel E. Kees</i> M
PRODUCT INFORMATION TELEPHONE NO. (8 AM TO 5 PM CST, MON-FRI) Product Information: 1-800-558-9566		

SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME POWDER FLATWARE PRESOAK	FORMULA Proprietary Blend	CHEMICAL FAMILY M.A.
PRODUCT DESCRIPTION Alkaline silverware Presoaking Detergent		
DOT PROPER SHIPPING NAME Not Regulated by D.O.T.		
REGULATED CERTIFICATION	SHIPPING OR NUMBER HAZARD CLASS M.A.	HAZARD CLASS M.A.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT M.A.	SPECIFIC GRAVITY (H ₂ O = 1) M.A.	PHYSICAL FORM Granular Powder	COLOR Blue
VAPOR PRESSURE (mm Hg) M.A.	MELTING POINT M.A.	SOLUBILITY IN WATER Moderate	SCENT None Added
VAPOR DENSITY (AIR = 1) M.A.	EXPLOSION RATE (BUTYL ACETATE = 1) M.A.	PH CONCENTRATE 11.2	PH CONCENTRATE M.A.
OTHER M.A.			

SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (GENERAL NAME, COMMON NAME)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PERCENT W/W/TOT
Sodium Metasilicate CAS Registry Number 6834-92-0	Not Established	Not Established	2 mg/m ³ Ceiling Limit (PG Corporation)	3.0-7.0
Sodium Carbonate CAS Registry Number 497-19-8	Not Established	Not Established	Not Established	40.0-70.0

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 CHLORIDE/7667-14-5,
SODIUM TRIPHOSPHATE/7758-29-4, SODIUM METASILICATE/6834-92-0, MONOMETHYL/9016-45-9

MTSA RATING: Health-2/Flammability-0/Reactivity-0 See Section 5 for Protective Equipment.

EMS RATING: Health-2/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 S.

(CONTINUED IN SECTION 8 5 TO 8)

SECTION 5 - SAFE USAGE DATA

PROTECTIVE EQUIPMENT TYPES	EYES	Safety glasses with side shields and an eye-wash station.
REPERATORY	RESPIRATORY	OXIGEN
Other	Other	Rubber or Neoprene.
GENERAL INFORMATION	Other	If major exposure is possible to eye/skin, wear/use appropriate protective equipment.
VENTILATION	LOCAL EXHAUST	Satisfactory. Maintain adequate ventilation. Keep levels below recommended TLV.
PRECAUTIONS	Not ordinarily needed.	Avoid inhalation of dust containing this product.
HAZARD & STORAGE	HAZARD & 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	RESPIRATORY	Inhalation of dust containing this product may cause irritation to nose, throat, and mucous membranes. Severity depends upon degree of exposure.
SKIN & EYES	SKIN & EYES	SKIN: Prolonged contact may cause irritation. EYES: Corrosive. Causes eye burns. May cause temporary or permanent vision loss and blindness.
ACUTE & CHRONIC	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 EXPOSURE	ROUTES OF EXPOSURE	SKIN-X: INHALATION-X: TARGET ORGANS: EYES.

SECTION 7 - PHYSICAL HAZARD DATA

FLAMMABILITY	LEL = N.A. UEL = N.A.	FLASH POINT = N.A. METHOD USED = M.A.
STABILITY	STABLE	CONDITIONS TO AVOID: Avoid mixing with any other cleaning product. Mix only with water. Avoid temperature above 100°F and high humidity to prevent caking.
HAZARDOUS POLYMERIZATION	UNSTABLE	HAZARDOUS DECOMPOSITION PRODUCTS: Warning! Mixing with incompatible materials may produce carbon dioxide, hydrogen, and other toxic and irritating fumes.
INCOMPATIBILITY	MAY OCCUR	CONDITIONS TO AVOID: M.A.
	WILL NOT OCCUR	MATERIALS TO AVOID: Acidic materials, reducing agents, hydrocarbons, alcohols, ammonia and ammoniated products.

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. 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 A 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.
M.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, THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, AND ASSUMES NO LIABILITY FOR FAILURE TO FOLLOW PRODUCT USE DIRECTIONS AND SAFETY PRECAUTIONS.