

MATERIAL SAFETY DATA SHEET (MSDS)

24 HOUR EMERGENCY PHONE: CHEMTREC 1-800-424-9300

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JBS INDUSTRIES

2550 Henkle Drive - Lebanon, Ohio 45036

TELEPHONE: 1-888-745-0720

SECTION 1 PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: ACTION PRESOAK **PRODUCT NUMBER:** AT-102
PRODUCT DESCRIPTION: LIQUID ALKALINE DETERGENT
MANUFACTURER: JBS Industries **PHONE:** 888-745-0720
2550 Henkle Drive **FAX:** 513-228-2810
Lebanon, Ohio 45036

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENTS:</u>	<u>EFFECT</u>	<u>CAS#</u>	<u>PERCENT</u>
POTASSIUM HYDROXIDE	CORROSIVE TO SKIN & EYES	7732-18-5	0-10
SODIUM METASILICATE	CORROSIVE TO EYES	6834-92-0	0-10
TETRASODIUM EDTA	SKIN & EYE IRRITANT	64-02-8	0-40
PROPRIETARY SURFACTANT BLEND	EYE IRRITANT	NOT APPLICABLE	0-20

<u>HAZARDOUS INGREDIENTS:</u>	<u>EXPOSURE LIMITS OF INGREDIENTS</u>	
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
POTASSIUM HYDROXIDE	2MG/M3	2MG/M3
SODIUM METASILICATE	NOT ESTABLISHED	NOT ESTABLISHED
TETRASODIUM EDTA	NOT ESTABLISHED	NOT ESTABLISHED
PROPRIETARY SURFACTANT BLEND	NOT ESTABLISHED	NOT ESTABLISHED

SECTION 3 HEALTH HAZARD DATA

SPECIAL NOTE: MSDS data pertains to the product as dispenses from the container. Adverse health effects would not be expected under recommended conditions of use (diluted) so long as recommended safety precautions are practiced.

ACUTE EFFECTS OF OVEREXPOSURE: Corrosive on contact. Overexposure will produce tissue destruction particularly on mucous membranes of eyes, mouth, and respiratory tract. Eye contact may produce severe irritation and blindness unless immediately flushed. Concentrated solutions may produce immediate skin damage. Skin contact with dilute solutions may produce severe irritation which intensifies as contact continues. Inhalation of mists may produce severe nasal and respiratory irritation or permanent damage. Ingestion will produce tissue damage of the gastrointestinal tract. Ingredients in this product may aggravate existing skin, eye, or respiratory disorders.

CHRONIC EFFECTS OF OVEREXPOSURE: Repeated or prolonged exposure of skin can produce chronic dermatitis characterized by redness, scaling, and blistering. Repeated exposure to spray mists may lead to chronic eye inflammation, chronic respiratory tract irritation or lung damage. None of the ingredients are listed as carcinogens by IARC, NTP, or OSHA.

SECTION 4 FIRST AID MEASURES

EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING UPPER AND LOWER EYELIDS. GET IMMEDIATE MEDICAL ATTENTION.
SKIN: RINSE WELL WITH WATER. REMOVE CONTAMINATED CLOTHING. GET IMMEDIATE MEDICAL ATTENTION.
INGESTION: GIVE WATER TO DRINK IF CONSCIOUS. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.
INHALATION: MOVE TO FRESH AIR AT ONCE. GET IMMEDIATE MEDICAL ATTENTION.

SECTION 5 FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: **FLASH POINT:** NONE
METHOD USED: NOT APPLICABLE

PRODUCT WILL NOT BURN. NO KNOWN HAZARDOUS DECOMPOSITION PRODUCTS.

UNUSUAL FIRE & EXPLOSION HAZARDS: UPON CONTACT WITH DUSTS OF AL, SN, OR ZN, MAY PRODUCE HYDROGEN GAS, WHICH IS FLAMMABLE.

FIRE FIGHTING PROCEDURES: APPROPRIATE FOR SURROUNDING MATERIALS.

SECTION 6 ACCIDENTAL RELEASE MEASURES

SPILLS & LEAKS: SMALL SPILLS: RINSE TO DRAIN.
LARGE SPILLS: CONTAIN FOR RECLAMATION OR DISPOSAL.
CAUTION: SPILLS OF THIS MATERIAL MAY CAUSE FLOOR TO BECOME SLIPPERY.

SECTION 7 HANDLING & STORAGE

STORE IN ORIGINAL CONTAINER AT TEMPERATURES BELOW 120 DEGREES F.

PRODUCT IS BEST WHEN USED WITHIN 6 MONTHS OF DATE OF PURCHASE.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

EYES: WEAR CHEMICAL GOGGLES.
SKIN: NEOPRENE GLOVES. RUBBER APRON IF GREATER EXPOSURE IS LIKELY.

RESPIRATORY: GOOD GENERAL VENTILATION. RESPIRATOR NOT NORMALLY REQUIRED.

MSDS - JBS INDUSTRIES (CONT.)

ACTION PRESOAK

PAGE 2 OF 2

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE & ODOR: PURPLE, THIN LIQUID WITH CITRUS ODOR.
SOLUBILITY IN WATER: COMPLETE
% VOLATILE (W/W): >65, MOSTLY WATER
PH FULL STRENGTH: 12.5 TO 13.0
FREEZING POINT: NEAR WATER.
SPECIFIC GRAVITY: 1.11

SECTION 10 STABILITY & REACTIVITY

STABILITY: THIS IS A STABLE MATERIAL.
CONDITIONS TO AVOID: NONE KNOWN.
MATERIALS TO AVOID: STRONG ACIDS, DUSTS OF ALUMINUM, TIN AND ZINC.
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION 11 TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE ON THIS MIXTURE. FOR INFORMATION ON INGREDIENTS, WRITE TO THE ADDRESS LISTED IN SECTION 1 OF THIS MSDS.

SECTION 12 ECOLOGICAL INFORMATION

NO DATA AVAILABLE ON THIS MIXTURE. ALL SURFACTANT COMPONENTS ARE BIODEGRADABLE. THIS PRODUCT CONTAINS NO PHOSPHATES.

SECTION 13 DISPOSAL CONSIDERATIONS

FOLLOW ALL FEDERAL, STATE, AND LOCAL REGULATIONS APPROPRIATE FOR THIS MATERIAL. NEUTRALIZE PH WITH DILUTED ACID BEFORE DISPOSAL.

SECTION 14 TRANSPORTATION INFORMATION

D.O.T. HAZARDOUS MATERIAL CLASS: POTASSIUM HYDROXIDE SOLUTION, CLASS 8, PG II
UN NUMBER: UN1814 NA NUMBER: NOT APPLICABLE

SECTION 15 REGULATORY INFORMATION

FACILITIES STORING MORE THAN 38,000 GALLONS OF THIS MATERIAL MUST FILE A SARA TITLE III FOR SODIUM HYDROXIDE.

SECTION 16 OTHER INFORMATION

HAZARD RATINGS PROVIDED FOR USE BY TRAINED INDIVIDUALS ONLY.

HMIS RATINGS (0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE HAZARD)

FOR CONCENTRATE: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 0

NFPA RATINGS (0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE HAZARD)

FOR CONCENTRATE: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 0

DILUTION OVER 30 TO 1: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0

The information relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. JBS Industries makes no warranty, express or implied as to the accuracy or completeness or adequacy of information herein, except that such information is to the best of JBS Industries' belief, accurate as of the date indicated. JBS Industries assumes no responsibility for injury from the use of the product described herein.

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