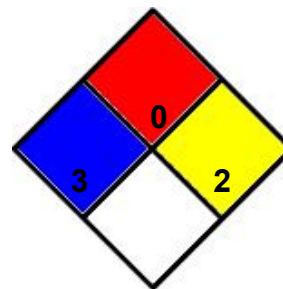


MATERIAL SAFETY DATA SHEET

BC-1115



COMPANY IDENTIFICATION:

MANUFACTURER: Chem-Tech
400 Ternes Dr.
Random Lake, WI 53075

INFORMATION PHONE: 920-994-2299
EMERGENCY: 1-800-255-3924
HMIS

HEALTH: 3 **FLAMMABILITY:** 0 **REACTIVITY:** 2 **PROTECTIVE:** J

SECTION I - PRODUCT IDENTIFICATION

PRODUCT: BC-1115

PREPARED BY: Jason Sprang

DATE PREPARED: 3/21/2003

LAST REVISION: 9/1/2010

HAZARD CLASS: 8

UN: 1824

PACKING: II

GUIDE NUMBER: 154

SHIPPING: Sodium Hydroxide Solution

SYNONYMS: Caustic soda 50%

SECTION II - HAZARDOUS INGREDIENTS

<u>Chemical Name</u>	<u>%</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
SODIUM HYDROXIDE	100	1310732	PEL = 2mg/M3	STEL = C 2 mg/M3

SECTION III - PHYSICAL CHARACTERISTICS

BOILING POINT: 289 F

VAPOR PRESSURE: 0 MM

EVAPORATION: 1.0

POUNDS PER GALLON: 13lbs. /Gallon

SPECIFIC GRAVITY: 2.13

MELTING POINT: 2534 F

VAPOR DENSITY: N/A

PH: 14

SOLUABILITY IN WATER: SOLUBLE

APPEARANCE AND ODOR: Clear to white liquid, no odor

SECTION IV - FIRE/EXPLOSION

FLASH POINT: N/A

FLASH POINT METHOD USED: N/A

LEL: 0

UEL: 0

EXTINGUISHING MEDIA: Do not use water because of violent reaction.

SPECIAL FIRE FIGHTING: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece in positive pressure mode. Move containers from fire area if it can be done without risk.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION V - REACTIVITY DATA

STABLE: Stable

INCOMPATIBILITY: Strong acids, water, organic halogens, and oxidizing agents

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: Contact with water produces heat.

HAZARDOUS POLYMERIZATION: Will Not Occur

SECTION VI - HEALTH HAZARD DATA

ACUTE HEALTH EFFECTS

EYE CONTACT: Corrosive to the eyes and may cause severe damage including blindness.

INHALATION: Not vaporous but may react with other materials which may result in hazardous decomposition.

INGESTION: Corrosive and may cause severe and permanent damage to mouth, throat, and stomach.

SKIN CONTACT: Substance is severely corrosive. Causes severe skin burns.

SIGNS AND SYMPTOMS OF EXPOSURE: Gagging, redness of skin, irritating of throat or eyes

AGGRAVATED MEDICAL CONDITIONS: N/A

SUPPLEMENTAL HEALTH INFORMATION: This product will readily destroy living tissue.

EMERGENCY FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Neutralize waste. Only specially trained or qualified personnel should handle the emergency.

WASTE DISPOSAL METHOD: The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

OTHER PRECAUTIONS: Always wear proper personal protective equipment.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Respiratory protection is not required for this product. However, use of this product could result in chemical reactions which could release hazardous gases. A NIOSH approved, Multigas cartridge respirator is strongly recommended.

VENTILATION: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits.

PROTECTIVE GLOVES: Nitrile, North brand Silver shield, or neoprene gloves are recommended. Check glove manufacturer's compatibility, permeation rates, degradation rates, and breakthrough times before using.

EYE PROTECTION: Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

OTHER PROTECTIVE CLOTHING: Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required.

WORK / HYGENIC: Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.