



BJ SERVICES COMPANY
MATERIAL SAFETY DATA SHEET

Region
USA

SECTION I - GENERAL INFORMATION

PRODUCT NAME: **Sodium Metasilicate**
ITEM NUMBER: 100275
CHEMICAL DESCRIPTION: Sodium metasilicate (anhydrous)
PRODUCT USE: CMT extender
SUPPLIER: BJ Services Company
ADDRESS: 11211 FM 2920
Tomball, TX 77375
EMERGENCY TELEPHONE NUMBER (800)424-9300 for CHEMTREC
(202)483-7616 Alaska and International
PREPARED BY: BJ Services Environmental Group
(281)351-8131
DATE PREPARED: November 10, 2000 Supersedes: August 1996

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 0
REACTIVITY: 1
PERSONAL PROTECTION: e

SECTION II - HAZARDOUS COMPONENTS

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Sodium Silicate	6834-92-0	95 - 99	Severe eye irritant

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (METHOD): N.A.
UPPER EXPLOSION LIMIT(% BY VOL): N.A.
LOWER EXPLOSION LIMIT(% BY VOL): N.A.
AUTO-IGNITION TEMPERATURE: N.A.
EXTINGUISHING MEDIA: Water spray
SPECIAL FIRE FIGHTING PROCEDURES: Non-combustible
EXPLOSION DATA: N.A.
HAZARDOUS COMBUSTION PRODUCTS: N.A.

SECTION IV - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Skin contact, eye contact, inhalation, ingestion

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: Material is corrosive; may cause irreversible tissue damage.
 SKIN ABSORPTION: Not absorbed by skin.
 EYE CONTACT: Eye contact may cause corneal damage resulting in permanently impaired vision.
 INHALATION: Material is corrosive. Inhalation of vapor may cause severe irritation of respiratory system. Severe exposure may result in lung tissue damage.
 INGESTION: Corrosive to mucous membranes of the mouth, throat, esophagus and stomach.

CHRONIC OVEREXPOSURE EFFECTS: No known chronic effects.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Sodium Silicate	2 mg/m ³ as NaOH	2mg/m ³ as NaOH

CARCINOGENICITY, REPRODUCTIVE EFFECTS:
 Not listed as carcinogen - IARC, NTP, or OSHA

TERATOGENICITY, MUTAGENICITY:
 No effects listed

TOXICITY STUDIES:
 LD(50) 800 mg/kg (oral rat)
 LC(50) N.E.

SECTION V - FIRST AID PROCEDURES

FOR EYES: Immediately flush with plenty of water for at least 15 minutes. Seek medical attention immediately!
 FOR SKIN: Remove contaminated clothes. Immediately wash skin with plenty of water for 15 minutes. Wash clothing before reuse. Seek medical attention immediately!
 FOR INHALATION: Remove immediately to fresh air. If breathing is irregular or has stopped, administer artificial respiration. Seek medical attention immediately!
 FOR INGESTION: Give plenty of water. Do not induce vomiting! Never give anything by mouth to an unconscious or convulsing person. Seek medical attention immediately!

SECTION VI - PHYSICAL DATA

APPEARANCE AND ODOR: White crystalline solid, no odor
 SPECIFIC GRAVITY: N.A.
 VAPOR PRESSURE: N.E.
 VAPOR DENSITY (air=1): N.E.
 EVAPORATION RATE: N.E.
 BOILING POINT: N.E.
 FREEZING POINT: N.E.
 SOLUBILITY IN H₂O: 18% by weight
 pH: 12.7 (1% solution)

SECTION VII - REACTIVITY DATA

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	Avoid contact with acidic materials
HAZARDOUS POLYMERIZATION:	Does not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS:	None

SECTION VIII - SPECIAL/PERSONAL PROTECTION

VENTILATION:	The use of mechanical ventilation is recommended whenever this product is used in a confined space. Where engineering controls are not feasible, assure use is in an area where there is natural air movement.
RESPIRATORY PROTECTION:	As needed dust mask
PROTECTIVE GLOVES:	Neoprene
EYE PROTECTION:	Goggles
OTHER PROTECTIVE EQUIPMENT:	Eyewash bottles or other rinsing equipment should be easily accessible.

SECTION IX - HANDLING PRECAUTIONS

LEAK AND SPILL PROCEDURES:	Sweep up and place in suitable containers for reuse or disposal.
WASTE DISPOSAL:	If this product becomes a waste it meets the requirements of a RCRA hazardous waste with the waste code D002. Always dispose of according to local/state/federal regulations.
HANDLING & SPECIAL EQUIPMENT:	Do not get in eyes, on skin, or on clothing. Always add slowly to liquid surface, stirring constantly to dissipate heat.
STORAGE REQUIREMENTS:	Keep away from acids to avoid possible violent reaction.

SECTION X - REGULATORY INFORMATION

SHIPPING INFORMATION

PROPER SHIPPING NAME:	Corrosive solid, basic, inorganic, n.o.s. (contains sodium metasilicate)
HAZARD CLASS:	8
UN/NA NUMBER:	UN 3262
PACKING GROUP W/ "PG":	PG II
SUBSIDIARY RISK:	N.A.
REPORTABLE QUANTITY (RQ):	N.A.
EMERGENCY RESPONSE GUIDE #:	154

ENVIRONMENTAL INFORMATION

SARA TITLE III

SECTION 302/304	This product does not contain ingredients listed as an Extremely Hazardous Substance.
SECTION 311/312	Immediate
SECTION 313	This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals.

OTHER REGULATORY INFORMATION

TSCA INVENTORY:	All of the components in this appear on the TSCA inventory.
CALIFORNIA PROP 65:	None of the chemicals on the current Proposition 65 list are known to be present in this product.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.
