



BJ SERVICES COMPANY
MATERIAL SAFETY DATA SHEET

Region
USA

SECTION I - GENERAL INFORMATION

PRODUCT NAME: **SS-2**
ITEM NUMBER: 488266
CHEMICAL DESCRIPTION: Proprietary surfactant mixture
PRODUCT USE: Spacer surfactant
SUPPLIER: BJ Services Company
ADDRESS: 11211 FM 2920
Tomball, TX 77375
**EMERGENCY TELEPHONE NUMBER (800)424-9300 for CHEMTREC
(703)527-3887 Alaska and International**
PREPARED BY: BJ Services Environmental Group
(281)351-8131
DATE PREPARED: June 13, 2001
Supersedes: January 8, 2001

HMIS HAZARD INDEX

HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: g

SECTION II - HAZARDOUS COMPONENTS

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
No hazardous ingredients	N.A.	N.A.	N.A.

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (METHOD): >400°F (PMCC)
UPPER EXPLOSION LIMIT(% BY VOL): N.E.
LOWER EXPLOSION LIMIT(% BY VOL): N.E.
AUTO-IGNITION TEMPERATURE: N.E.
EXTINGUISHING MEDIA: Alcohol foam, water fog, dry chemical, foam, CO2
SPECIAL FIRE FIGHTING PROCEDURES: Non-flammable. Cool fire-exposed containers with water spray.
EXPLOSION DATA: None known.
HAZARDOUS COMBUSTION PRODUCTS: No known information.

SECTION IV - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Skin and eye contact

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: Not expected to cause skin problems under normal use conditions.
SKIN ABSORPTION: No effects listed.
EYE CONTACT: Not expected to cause eye problems under normal use conditions.
INHALATION: Not expected to be a problem under normal use conditions.
INGESTION: Not a likely route of exposure.

CHRONIC OVEREXPOSURE EFFECTS: No known information.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
No hazardous ingredients	N.A.	N.A.

CARCINOGENICITY, REPRODUCTIVE EFFECTS:

Not listed as carcinogenic - IARC, NTP, or OSHA

TERATOGENICITY, MUTAGENICITY:

No effects listed

TOXICITY STUDIES:

LD(50) N.E.
LC(50) N.E.

SECTION V - FIRST AID PROCEDURES

FOR EYES: Wash eye thoroughly for 15 minutes; if irritation persists seek medical attention.
FOR SKIN: Wash skin thoroughly with soap and water.
FOR INHALATION: Remove to fresh air. If breathing is labored, give oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
FOR INGESTION: If ingested, consult a physician.

SECTION VI - PHYSICAL DATA

APPEARANCE AND ODOR: Dark amber liquid with mild odor
SPECIFIC GRAVITY: 1.0
VAPOR PRESSURE: N.E.
VAPOR DENSITY (air=1): Is lighter than air
EVAPORATION RATE: Is slower than ether
BOILING POINT: N.E.
FREEZING POINT: N.E.
SOLUBILITY IN H2O: Insoluble
pH: 8.0-10.0 @ 5% in water

SECTION VII - REACTIVITY DATA

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	No known information.
HAZARDOUS POLYMERIZATION:	Does not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS:	No known information.

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:	Respirator use is not expected to be necessary under normal conditions of handling. In emergency situations, use of a NIOSH-approved respirator may be required.
PROTECTIVE GLOVES:	Chemical resistant gloves
EYE PROTECTION:	Chemical goggles
OTHER PROTECTIVE EQUIPMENT:	Eyewash bottles or other rinsing equipment should be easily accessible.

SECTION IX - HANDLING PRECAUTIONS

LEAK AND SPILL PROCEDURES:	Use personal protective equipment as necessary. Absorb with suitable chemical absorbent. Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container.
WASTE DISPOSAL:	If this product becomes a waste it does not meet the requirements of a RCRA hazardous waste. Always dispose of according to all local/state/and federal regulations.
HANDLING & SPECIAL EQUIPMENT:	Chemical residue may remain in emptied container. Do not reuse empty containers without commercial cleaning or reconditioning.
STORAGE REQUIREMENTS:	Store containers closed in a well ventilated area.

SECTION X - REGULATORY INFORMATION

SHIPPING INFORMATION

PROPER SHIPPING NAME:	Not DOT Regulated
HAZARD CLASS:	N.A.
UN/NA NUMBER:	N.A.
PACKING GROUP W/ "PG":	N.A.
SUBSIDIARY RISK:	N.A.
REPORTABLE QUANTITY (RQ):	N.A.
EMERGENCY RESPONSE GUIDE #:	N.A.

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 product 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.