



**BJ SERVICES COMPANY**  
**MATERIAL SAFETY DATA SHEET**

Region  
USA

**SECTION I - GENERAL INFORMATION**

PRODUCT NAME: **NE-23**  
ITEM NUMBER: 488294  
CHEMICAL DESCRIPTION: Proprietary  
PRODUCT USE: Non-emulsifier  
SUPPLIER: BJ Services Company  
ADDRESS: 11211 FM 2920  
Tomball, TX 77375  
**EMERGENCY TELEPHONE NUMBER (800)424-9300 for CHEMTREC  
(703)527-3887 for International**  
PREPARED BY: BJ Services Environmental Group  
(281)351-8131  
DATE PREPARED: December 20, 2002

**HMS HAZARD INDEX**

HEALTH: 2  
FLAMMABILITY: 3  
REACTIVITY: 1  
PERSONAL PROTECTION: g

**SECTION II - HAZARDOUS COMPONENTS**

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Isopropanol	67-63-0	Proprietary	Eye irritant, flammable

**SECTION III - FIRE AND EXPLOSION HAZARD DATA**

FLASHPOINT (METHOD): 75°F (PMCC)  
UPPER EXPLOSION LIMIT(% BY VOL): 12.7 (based on isopropanol)  
LOWER EXPLOSION LIMIT(% BY VOL): 2.0 (based on isopropanol)  
AUTO-IGNITION TEMPERATURE: N.E.  
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide or water fog.  
SPECIAL FIRE FIGHTING PROCEDURES: Remove unprotected personnel from hazard area. Wear protective clothing. Emergency personnel should be equipped with a NIOSH approved SCBA with full face piece. Cool exposed containers with water.  
EXPLOSION DATA: Heating may cause pressure build-up and possible rupture of the containers.  
HAZARDOUS COMBUSTION PRODUCTS: When heated to decomposition may emit oxides of carbon and sulfur.

**SECTION IV - HEALTH HAZARD DATA**

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

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: Skin irritation may occur.  
SKIN ABSORPTION: Not absorbed by skin.  
EYE CONTACT: Eye irritation may occur.  
INHALATION: Inhalation of vapors may irritation of the respiratory tract, nausea, headache, loss of motor skills and disorientation.  
INGESTION: Swallowing may cause irritation to the membranes of the mouth, throat and gastrointestinal tract.

CHRONIC OVEREXPOSURE EFFECTS: Not known

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Isopropanol	400 ppm	400 ppm

CARCINOGENICITY, REPRODUCTIVE EFFECTS:

Not listed as carcinogen - 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: Immediately flush with plenty of water for at least 15 minutes. If irritation persists, contact a physician.  
FOR SKIN: Flush skin with water or wash with mild soap and water if available. If irritation persists, contact a physician.  
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: Get immediate medical attention.

**SECTION VI - PHYSICAL DATA**

APPEARANCE AND ODOR: Amber liquid with sweet odor  
SPECIFIC GRAVITY: 1.0197  
VAPOR PRESSURE: N.E.  
VAPOR DENSITY (air=1): N.E.  
EVAPORATION RATE: N.E.  
BOILING POINT: > 200°F  
FREEZING POINT: N.E.  
SOLUBILITY IN H2O: Dispersible  
pH: N.E.

## **SECTION VII - REACTIVITY DATA**

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	Strong oxidizing agents
HAZARDOUS POLYMERIZATION:	Does not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS:	When heated to combustion may emit oxides of carbon and sulfur.

## **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:	If exposure may or does exceed exposure limits, use a NIOSH/MSHA approved atmosphere-supplying respirator or an air-purifying respirator for organic vapors.
PROTECTIVE GLOVES:	Rubber or 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:	Eliminate all sources of ignition. Shut off source of spill if possible to do so without hazard. Contain the spill by diking. Absorb spillage with clay, sawdust, or other absorbent material. Place all spilled material, contaminated dirt, and other contaminated materials in DOT approved drums for disposal.
WASTE DISPOSAL:	If this product becomes a waste it meets the requirements of a RCRA hazardous waste with the waste code D001. Always dispose of according to local/state/federal regulations.
HANDLING & SPECIAL EQUIPMENT:	Do not get in eyes, on skin, or on clothing. Carefully vent container before removing bung. Wash thoroughly after handling.
STORAGE REQUIREMENTS:	Store away from heat, sparks and open flames. Store in a well-ventilated area.

## **SECTION X - REGULATORY INFORMATION**

### **SHIPPING INFORMATION**

PROPER SHIPPING NAME:	Flammable liquids, n.o.s. (contains isopropanol)
HAZARD CLASS:	3
UN/NA NUMBER:	UN 1993
PACKING GROUP W/ "PG":	PG III
SUBSIDIARY RISK:	N.A.
REPORTABLE QUANTITY (RQ):	N.A.
EMERGENCY RESPONSE GUIDE #:	128

### **ENVIRONMENTAL INFORMATION**

### **SARA TITLE III**

SECTION 302/304	This product does not contain ingredients listed as an Extremely Hazardous Substance.
SECTION 311/312	Immediate, Delayed, Fire
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.