



BJ SERVICES COMPANY
MATERIAL SAFETY DATA SHEET

Region
USA

SECTION I - GENERAL INFORMATION

PRODUCT NAME: **LT-32**
ITEM NUMBER : 499684
CHEMICAL DESCRIPTION: Proprietary blend
PRODUCT USE: Surface tension
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: September 25, 2000 Supersedes: October 10, 1995

HMIS HAZARD INDEX

HEALTH: 2
FLAMMABILITY: 2
REACTIVITY: 0
PERSONAL PROTECTION: g

SECTION II - HAZARDOUS COMPONENTS

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Isopropyl alcohol	67-63-0	< 20	Flammable
Oxyalkylated alcohol	N.E.	< 20	Irritant
Methanol	67-56-1	< 5	Flammable

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (METHOD): 134°F (PMCC)
UPPER EXPLOSION LIMIT(% BY VOL): N.E.
LOWER EXPLOSION LIMIT(% BY VOL): N.E.
AUTO-IGNITION TEMPERATURE: N.E.
EXTINGUISHING MEDIA: Use water spray, alcohol foam, dry chemical or carbon dioxide
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire exposed surfaces and water spray to disperse the vapors. Full protective clothing and full facepiece positive pressure self-contained breathing apparatus for firefighters.
EXPLOSION DATA: N.E.
HAZARDOUS COMBUSTION PRODUCTS: Acrid smoke, irritating fumes, carbon monoxide, carbon dioxide

SECTION IV - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Eye, skin contact, inhalation

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: May cause slight irritation.
SKIN ABSORPTION: This material can be readily absorbed through the skin in toxic amount.
EYE CONTACT: Causes noticeable pain, moderate irritation and transient cornea injury if not removed promptly.
INHALATION: Exposure to high vapor concentrations can cause respiratory tract irritation, liver and kidney damage, and central nervous system effects including headache, narcosis, weakness, slurred speech and blurred vision.
INGESTION: This material is considered moderate to low in oral toxicity. May cause headache, dizziness, nausea, vomiting, gastrointestinal distress, liver and kidney injury.

CHRONIC OVEREXPOSURE EFFECTS: No effects listed

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Isopropyl alcohol	400 ppm	400 ppm
Oxyalkylated alcohol	N.E.	N.E.
Methanol	200 ppm	200 ppm

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: Immediately flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.
FOR SKIN: Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before reuse. If irritation persists, seek medical attention.
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 conscious, give 1 or 2 glasses of water to drink and induce vomiting by

sticking finger down throat. Take immediately to hospital or physician. If vomiting cannot be induced, take immediately to a hospital. Do not attempt to give anything by mouth to an unconscious person.

SECTION VI - PHYSICAL DATA

APPEARANCE AND ODOR:	Clear, colorless liquid with a strong odor
SPECIFIC GRAVITY:	0.9
VAPOR PRESSURE:	N.E.
VAPOR DENSITY (air=1):	N.E.
EVAPORATION RATE:	N.E.
BOILING POINT:	178°F
FREEZING POINT:	N.E.
SOLUBILITY IN H2O:	Emulsifiable, slightly soluble
pH:	N.E.

SECTION VII - REACTIVITY DATA

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	None listed
HAZARDOUS POLYMERIZATION:	Does not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS:	Acrid smoke and irritating fumes when heated to decomposition. Products of combustion include carbon monoxide and carbon dioxide.

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:	Where concentrations of vapors and/or mists exceed the limits given in this section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.
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:	Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. Implement cleanup procedures and for large spills in public area, keep public away and advise authorities. Vapors/dust can be harmful/fatal. Warn occupants of downwind areas. Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust. Recover by pumping(use explosion proof or hand
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WASTE DISPOSAL: pump) or with a suitable absorbent.
If this product becomes a waste it does meet the requirements of a RCRA hazardous waste with the waste code D001. Always dispose of according to all local/state/and federal regulations.

HANDLING & SPECIAL EQUIPMENT: Avoid heat or flame.

STORAGE REQUIREMENTS: Store at ambient temperature away from heat or flame

SECTION X - REGULATORY INFORMATION

SHIPPING INFORMATION

PROPER SHIPPING NAME: International = Flammable liquids, n.o.s. (contains isopropyl alcohol)
Domestic bulk = Combustible liquid, n.o.s. (contains isopropyl alcohol)
Domestic drum = Not DOT Regulated

HAZARD CLASS: International = 3
Domestic bulk = Combustible
Domestic drum = N.A.

UN/NA NUMBER: International = UN 1993
Domestic bulk = NA1993
Domestic drum = N.A.

PACKING GROUP W/ "PG": International = PGIII
Domestic bulk = PGIII
Domestic drum = N.A.

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, Flammable

SECTION 313 This product does contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals:
Methanol 67-56-1 <5%

OTHER REGULATORY INFORMATION

TSCA INVENTORY: All of the components in this appear on the TSCA inventory.

CALIFORNIA PROP 65: Chemicals on the current Proposition 65 list are known to be present in this product.
Ethylene oxide trace amounts

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.

