



**BJ SERVICES COMPANY  
MATERIAL SAFETY DATA SHEET**

Region  
USA

**SECTION I - GENERAL INFORMATION**

PRODUCT NAME:	<b>Mud-Save F, Mud-Save M</b>
ITEM NUMBER :	F=499506, M=499507
CHEMICAL DESCRIPTION:	Granular thermoset rubber
	Mud-Save F= 10 to 100 mesh                      Mud-Save M= 6 to 20 mesh
PRODUCT USE:	Lost circulation material
SUPPLIER:	BJ Services Company
ADDRESS:	11211 FM 2920 Tomball, TX 77375
<b>EMERGENCY TELEPHONE NUMBER</b>	<b>(800)424-9300 for CHEMTREC (202)483-7616 Alaska and International</b>
PREPARED BY:	BJ Services Environmental Group (281)351-8131
DATE PREPARED:	September 25, 2000    Supersedes: January 20, 2000

**HMS HAZARD INDEX**  
HEALTH: 0  
FLAMMABILITY: 1  
REACTIVITY: 0  
PERSONAL PROTECTION: b

**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):	430°F (COC)
UPPER EXPLOSION LIMIT(% BY VOL):	N.E.
LOWER EXPLOSION LIMIT(% BY VOL):	N.E.
AUTO-IGNITION TEMPERATURE:	N.E.
EXTINGUISHING MEDIA:	Water spray, foam, CO2, dry chemical
SPECIAL FIRE FIGHTING PROCEDURES:	Standard procedure for Class A fires
EXPLOSION DATA:	In an enclosed area, treat as a flammable dust
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon and sulfur

**SECTION IV - HEALTH HAZARD DATA**

PRIMARY ROUTES OF ENTRY: Inhalation, ingestion

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: No effects listed  
SKIN ABSORPTION: No effects listed  
EYE CONTACT: No effects listed  
INHALATION: Repeated inhalation over extended period of any dust, may result in lung injury.  
INGESTION: No effects listed

CHRONIC OVEREXPOSURE EFFECTS: No effects listed

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
No hazardous ingredients	10mg/m3 total dust	5mg/m3 respirable dust

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: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Lift upper and lower lids and rinse well under them. Get medical attention, preferably an ophthalmologist if irritation occurs.

FOR SKIN: Flush all affected areas with plenty of water for several minutes. Remove and wash any contaminated clothing and shoes. Get medical attention if skin irritation occurs.

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: Induce vomiting and call a physician

## **SECTION VI - PHYSICAL DATA**

APPEARANCE AND ODOR: Black granular material, rubber odor  
SPECIFIC GRAVITY: 1.3  
VAPOR PRESSURE: N.E.  
VAPOR DENSITY (air=1): N.E.  
EVAPORATION RATE: N.A.  
BOILING POINT: N.A.  
FREEZING POINT: N.A.

SOLUBILITY IN H2O: Nil  
pH: N.E.

## **SECTION VII - REACTIVITY DATA**

CHEMICAL STABILITY: Stable  
INCOMPATIBLE MATERIALS: Oxidizers  
HAZARDOUS POLYMERIZATION: Does not polymerize  
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce 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: Use approved NIOSH/MSHA respirator if necessary

PROTECTIVE GLOVES: Chemical resistant

EYE PROTECTION: Safety glasses

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 DOT approved container for disposal. Uncontaminated material may be reused

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: Keep dust to a minimum in closed areas. Keep away from heat and open flames.

STORAGE REQUIREMENTS: No special requirements listed.

## **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 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.