

**THE BSS GROUP PLC****1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

<b>Product/Material</b>	Sealant
<b>Product Description</b>	Pipe Jointing Compound
<b>Trade Name</b>	BOSS White
<b>Supplier of product</b>	The BSS Group plc
<b>Registered Office</b>	Fleet House, Lee Circle, Leicester, LE1 3QQ
<b>Telephone/Fax Numbers</b>	0116 262 3232 / 0116 253 1343
<b>E-mail Address</b>	reception@bssgroup.com
<b>Web site Address</b>	www.bss-group.co.uk

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical characterisation:</b>	
<b>Description:</b>	Preparation
<b>Dangerous components:</b>	Void

**3. HAZARD IDENTIFICATION**

<b>Hazard designation:</b>	Not applicable
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**4. FIRST AID MEASURES**

<b>After inhalation:</b>	Supply fresh air; consult doctor in case of complaint
<b>After skin contact:</b>	Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.
<b>After eye contact:</b>	Rinse opened eye for several minutes under running water. Then consult doctor.
<b>After swallowing:</b>	Call a doctor immediately.

**5. FIRE FIGHTING MEASURES**

<b>Suitable extinguishing agents:</b>	Water spray, Alcohol-resistant foam, Fire-extinguishing powder, Carbon dioxide.
<b>Unsuitable extinguishing agents - for safety reasons:</b>	Water with full jet
<b>Special hazards caused by the material, its products of combustion or resulting gases:</b>	Formation of toxic gases is possible during heating or in case of fire.
<b>Protective equipment:</b>	Wear self-contained respiratory protective device.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Person related safety precautions:</b>	Ensure adequate ventilation.
<b>Measures for environmental protection:</b>	Do not allow to enter sewers/surface or ground water.
<b>Measures for cleaning/collecting:</b>	Pick up mechanically.

**7. HANDLING AND STORAGE:**

**Handling:**

**Information for safe handling:**

Use only in well ventilated areas.

**Information about protection against explosions and fires:**

No special measures required.

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Prevent any seepage into the ground.

**Information about storage in one common storage facility:**

Store away from foodstuffs.

**Further information about storage conditions :**

Protect from frost. Keep receptacle tightly sealed. Protect from heat and direct sunlight. Store receptacle in a well ventilated area. Store in dry conditions.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Additional information about design of technical systems:**

No further data; see item 7.

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures should be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

**Breathing equipment:**

Not necessary if room is well-ventilated.

**Protection of hands:**

Not required.

**Eye Protection:**

Not required.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**General Information:**

**Form:**

Fluid

**Colour:**

Beige

**Odour:**

Characteristic

**Change in condition:**

**Boiling point/Boiling range:**

Not determined

**Flash point:**

> 100 °C

**Ignition temperature:**

Not determined

**Explosion limits:**

**Lower:**

Not determined

**Upper:**

Not determined

**Vapour pressure at 20 °C:**

<100 hPa

**Specific gravity at 20 °C:**

1.69 g/cm<sup>3</sup>

**Solubility in/Miscibility with water:**

Insoluble

**Viscosity:**

**Dynamic at 20 °C:**

100 mPas (Brookfield)

**10. STABILITY AND REACTIVITY**

**Thermal decomposition/conditions to avoid:** No decomposition if used according to specifications.  
**Dangerous reactions:** Reacts with acids.  
**Dangerous products of decomposition:** None, if used according to instructions and stored according to regulations.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity:**  
**Primary irritant effect On the skin:** No irritant effect

**12. ECOLOGICAL INFORMATION**

**General notes:** Do not allow product to reach ground water, water course or sewage system.

**13. DISPOSAL CONSIDERATIONS**

**Product:**  
**Recommendation:** Disposal in accordance with official regulations.  
**EWC-Code(s):** No waste code number pursuant to the European Waste Catalogue can be stipulated for this product since only the intended application by the consumer allows an assignment to be made. The waste code number must be stipulated by agreement with the producer (or the responsible public authority).

**Uncleaned packaging:**  
**Recommendation:** Disposal must be made according to official regulations.

**14. TRANSPORT INFORMATION**

**Land transport ADR/RID** (cross-border)  
**ADR/RID class:** -

**Maritime transport IMDG:**  
**IMDG class:** -

**Air transport ICAO-TI and IATA-DGR:**  
**ICAO/IATA class:** -

**15. REGULATORY INFORMATION**

**Markings according to EU guidelines:** The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV). Observe the general safety regulations when handling chemicals.

**16. OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

## **BOSS White**

Product Code	Size
84410508	400g Tub
84410585	Carton 10 400g Tubs

<b>Temperature:</b>	Up to 240°C at 7bar
<b>Pressure:</b>	Up to 20bar (see below)
<b>Specification:</b>	BS 6956:Part 5:1992
<b>Colour:</b>	Pale Buff
<b>Time before Assembly:</b>	Immediate
<b>Time before Testing:</b>	Immediate



BOSS White is suitable for flanged or screw threaded joints and is used mainly in the plumbing and gas fitting industries.

Hemp (88046420 and 84010006) may be used as reinforcement. This must be fully wetted with the compound prior to assembly of the joint.

<u>Main Areas of usage:</u>	<u>Suitable for use with:</u>
General industry	Water - non potable up to 20bar
Heating & Ventilating	Natural & Town Gas
Plumbing	<b>Hemp must not be used on threads below 2 size.</b>
	Compressed Air
	Steam
	Brine and Sea Water
	Alcohol

## **BOSS Supergreen**

Product Code	Size
84510094	400g Tub

<b>Temperature:</b>	Up to 200°C
<b>Pressure:</b>	Water 20bar, Steam 10bar, Gas, Comp Air, Mineral Oil 14bar
<b>Specification:</b>	BS 6956:Part 5:1992
<b>Colour:</b>	Pale Green
<b>Time before Assembly:</b>	Immediate
<b>Time before Testing:</b>	Immediate



On pipe sizes 1/2" and above, reinforced fibre (84510083) may be used as a reinforcement if necessary.

**Hemp must not be used on potable water applications.**

<u>Main Areas of usage:</u>	<u>Suitable for use with:</u>
All industries	Water - Potable both hot and cold
Heating & Ventilating	Natural Gas
Plumbing	Steam
Hospitals	Compressed Air
Government & Local Auth.	Mineral Oil



## Gimmie The White Stuff™



Gimmie the White Stuff®



### Directions

Stir before using. Clean oil, dirt, grease or any foreign material from threads. Apply only to male threads. Use on all metal, plastic, PVC or, Fiberglass, CPVC, and NYLON threads.

**CONTAINS NO LEAD**

### Temperature/Pressure Ranges

Temperature Ranges: -50°F to +400°F;  
Flash Point 43°F  
Brushable to -50°F  
Pressure Ranges: Gases to 3,000 PSI  
Liquids to 8,000 PSI

**MAY BE LEFT ON TRUCK OVERNIGHT IN WINTER WEATHER AND CAN BE BRUSHED WHEN PRODUCT IS EXPOSED TO BELOW 0°F TEMPERATURES WITH NO SEPARATION.**

#### Architect/Engineer approval

Job Name \_\_\_\_\_ Date \_\_\_\_\_  
Model Specified \_\_\_\_\_ Quantity \_\_\_\_\_  
Variations Specified \_\_\_\_\_  
Customer/Wholesaler \_\_\_\_\_  
Contractor \_\_\_\_\_  
Architect \_\_\_\_\_

### Description

All purpose **PTFE THREAD SEALING COMPOUND** that produces leakproof seals on threaded connections. Lubricates, seals and protects threads in an extensive variety of plumbing, heating and oil field threaded pipe connections over a wide range of services, temperatures and pressures. Will not dry out, stain, harden or separate. Non-toxic. Will not destroy the seals of valves or faucets. Wipes clean from hands easily.

### Characteristics

Jomar Seal PTFE, soft-set thread sealing compound is recommended for residential and commercial applications where cleanliness is essential. Non-seizing breaks out easily without stripping, galling or damaging threads. Free of halogens. Not affected by oils, dilute caustics or dilute acids.

### Recommended For Use On

- Acids, dilute
- Air, compresses gaseous
- Ammonia
- Aliphatic Solvents
- Brine
- Carbon Dioxide
- Caster Oils
- Caustic Alkali, dilute
- Diesel Fuel Oil
- Freons (all)
- Gasoline
- Heating Oils
- Helium, Gaseous
- Hydraulic oils
- Inert Gasses
- Jet Fuel (JP4,5,6)
- Kerosene
- Liquified Petroleum
- Manufactured Gases
- Mineral Oils
- Natural Gases
- Nitrogen, Gaseous
- Petroleum Solvents
- Steam
- Sugar, Liquid
- Water, Potable, hot or cold

**NOT FOR USE ON OXYGEN**

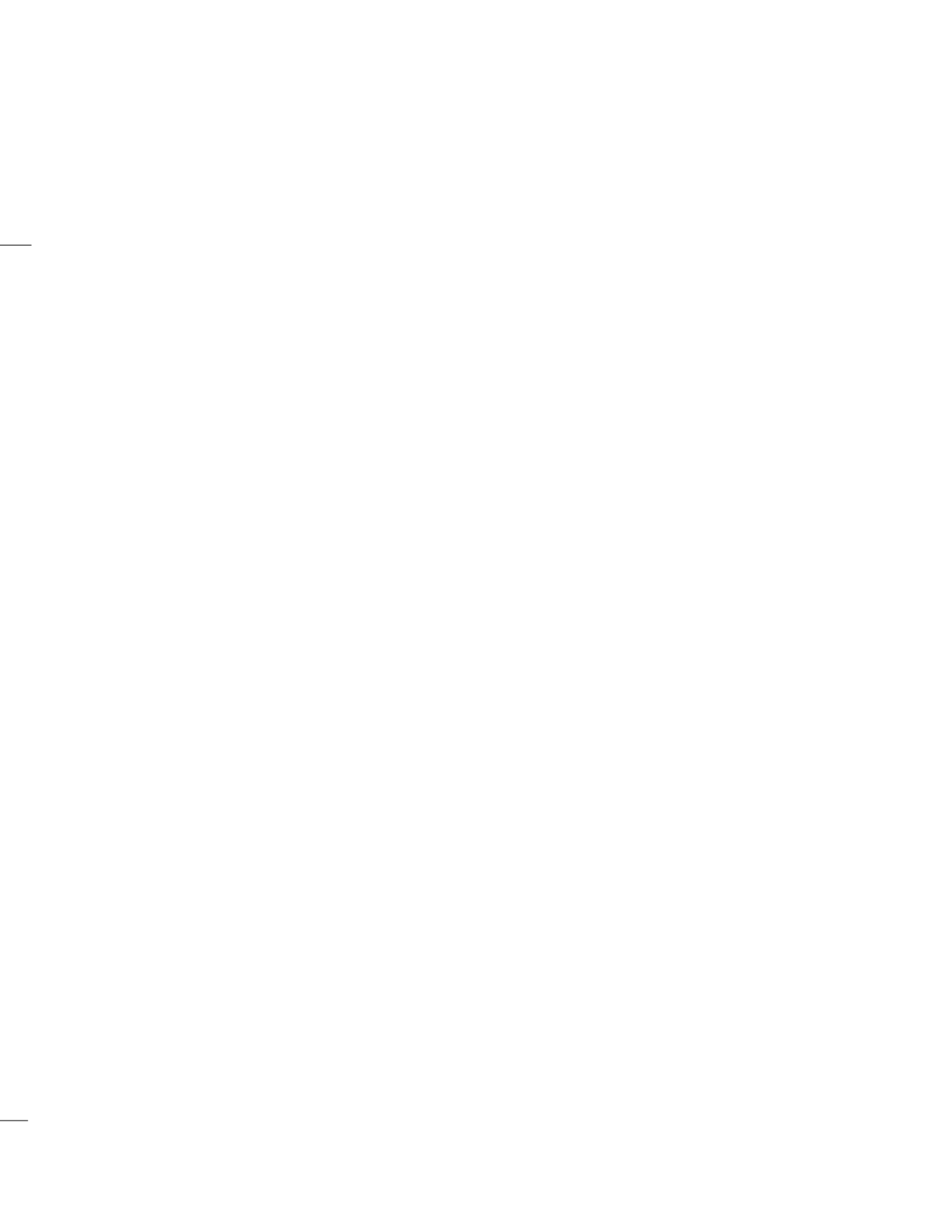
### Warranty

The Company, for a period of one year from the date of shipment, warrants each product or system of its own manufacture to the original purchaser to be free from defects in material and workmanship under normal use, service and maintenance.

Note: Information subject to change without notice.



Jomar International Ltd.  
7243 Miller Drive  
Warren, MI 48092  
Phone: 800-325-5690  
Fax: 800-628-4194  
www.jomar.com



# MATERIAL SAFETY DATA SHEET

HMIS CODES: 

H	F	R	P
0	2	0	A

U.S. Department of Labor  
Occupational Safety and Health Administrator  
(Non-Mandatory Form)  
Form Approved OMB No. 1218-0072

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

IDENTITY (AS USED ON LABEL AND LIST):

**JOMAR GIMME the WHITE STUFF**

NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## Section I

Manufacturer's Name:  
JOMAR INTERNATIONAL INC.

Emergency Telephone Number:  
(586) 268-1220

Address (Number, Street, City, State, and ZIP Code):  
7243 MILLER DRIVE

Telephone Number for Information:  
(586) 268-1220

SUITE 100

Date Prepared: January 18, 2005

WARREN, MI 48092

Signature of Preparer (optional):

## Section II - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY: COMMON NAME(S))	OSHA PEL	ACGIH TLV	OTHER LIMITS Recommended	% (optional)
ISOPROPANOL [CAS#67-63-0]	400 ppm	400 ppm	N/A	8 - 13%
BUTYL CELLOSOLVE [CAS#111-76-2]	50 ppm	25 ppm	N/A	20 - 25%

## Section III - Physical/Chemical Characteristics

Boiling Point:	180°F	Specific Gravity (H2O =1):	1.41
Vapor Pressure (mm Hg):	.88	Melting Point:	N/A
Vapor Density (AIR = 1):	> 1	Evaporation Rate (Butyl Acetate = 1):	0.6

Solubility in Water: SLIGHT

Appearance and Odor: WHITE PASTE - MILD ODOR

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 82°F (28°C) ASTM METHOD D93-80	Flammable Limits: 921°F (494°C) IGNITION TEMPERATURE	LEL: 1.1%	UEL: 10.6%
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Extinguishing Media: CARBON DIOXIDE OR DRY CHEMICAL OR WATER.

Special Fire Fighting Procedures: NONE

Unusual Fire and Explosion Hazards:  
CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRES OR EXPLOSIONS. CARBON MONOXIDE MAY BE RELEASED.

<b>Section V - Reactivity Data</b>		<b>JOMAR GIMME the WHITE STUFF</b>	
Stability:	Unstable:		Conditions to Avoid: N/A
	Stable:	X	

Incompatibility (Materials to Avoid):  
LIQUID OXYGEN SYSTEMS, LIQUID SODIUM, GASEOUS FLUORINE, STRONG OXIDIZERS.

Hazardous Decomposition or Byproducts: N/A

Hazardous Polymerization:	May Occur:		Conditions to Avoid: N/A
	Will Not Occur:	X	

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation? YES	Skin? YES	Ingestion? YES
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Health Hazards (Acute and Chronic): NONE

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure:  
INHALATION: POSSIBLE DIZZINESS IF USED IN CONFINED AREA.  
SKIN: MAY CAUSE MILD IRRITATION TO SENSITIVE SKIN.

Medical Conditions Generally Aggravated by Exposure: NONE KNOWN.

Emergency and First Aid Procedures:  
EYE CONTACT: FLUSH EYES WITH WATER.  
SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. WASH CLOTHING BEFORE REUSE.  
INHALATION: MOVE TO WELL VENTILATED AREA. INGESTION: CONSULT A PHYSICIAN.

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled:  
NORMAL GOOD HOUSEKEEPING PROCEDURES.

Waste Disposal Method:  
DISPOSAL TO BE DONE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

Precautions to Be Taken in Handling and Storing:  
STORE AWAY FROM HEAT OR OPEN FLAME. CLOSE CONTAINER AFTER USE.

Other Precautions:  
WEAR PROTECTIVE GLOVES TO PREVENT POSSIBLE SKIN ABSORPTION AND DERMATITIS. KEEP OUT OF REACH OF CHILDREN.

**Section VIII - Control Measures**

Respiratory Protection (Specify Type):  
AVOID BREATHING OF FUMES. IF USED IN A CONFINED AREA, A RESPIRATOR MAY BE NECESSARY.

Ventilation:	Local Exhaust: NORMAL VENTILATION IS ADEQUATE.	Special: N/A
	Mechanical (General): N/A	Other: N/A

Protective Gloves:  
MAY BE NECESSARY FOR SENSITIVE SKIN.

Eye Protection:  
KEEP OUT OF EYES. WEAR PROTECTIVE GOGGLES WHERE NECESSARY.

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: WASH UP WITH SOAP AND WATER AFTER USE.