

# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | DS Encapsulation Detergent

PRODUCT CODE |

ISSUE DATE | 02-29-2008

### EMERGENCY TELEPHONE NUMBERS

DISTRIBUTOR                      **Bonnet Pro**  
 STREET ADDRESS                **4529 Bethlehem Pike**  
 CITY, STATE, ZIP                **Telford, PA 18969**

**Transportation:                (800) 424-9300 \***  
\* For spill, leak, fire or transport accident emergencies.  
**Product Information: (781) 344-8688**

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	<u>EXPOSURE LIMITS</u>		
			OSHA PEL	ACGIH TLV	NIOSH REL
Dipropylene glycol monomethyl ether	34590-94-8	<10	None	None	None

## SECTION 3 -- HAZARDS IDENTIFICATION

<b>EMERGENCY OVERVIEW</b>	Causes eye irritation. Can cause skin irritation. Harmful if swallowed.
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POTENTIAL HEALTH EFFECTS	
<b>INGESTION</b> .....	Can cause irritation, nausea, stomach distress, or vomiting.
<b>INHALATION</b> .....	Prolonged or repeated inhalation of vapors may cause toxic effects.
<b>EYE CONTACT</b> .....	Causes severe eye irritation.
<b>SKIN CONTACT</b> .....	Prolonged or repeated contact may cause skin irritation.

**SECTION 4 -- FIRST AID MEASURES**

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
INHALATION	If exposed to excessive levels of vapors, remove to fresh air and get medical attention if cough or other symptoms develop.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes. Get medical attention immediately.
SKIN CONTACT	Wash with soap and water. If irritation develops or persists, get medical attention.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

**SECTION 5 -- FIRE FIGHTING MEASURES**

FLASH POINT / METHOD	None / N.A.	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	If involved in a fire, alcohol foam, carbon dioxide, dry chemical or water fog.		
SPECIAL FIRE FIGHTING PROCEDURES	None		
FIRE AND EXPLOSION HAZARDS	None		

**SECTION 6 -- ACCIDENTAL RELEASE MEASURES**

RESPONSE TO SPILLS	Small spills: Flush to sanitary sewer. Mop up residue and rinse area thoroughly with water. Large spills: Dike or dam spill. Pump to containers or soak up on inert absorbent.
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**SECTION 7 -- HANDLING AND STORAGE**

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in a cool dry place. Keep from freezing.

**SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**

HYGIENIC PRACTICES	Normal procedures for good hygiene.
ENGINEERING CONTROLS	No special ventilation requirements. <b>Facilities using this product must be equipped with an eyewash station.</b>

**PERSONAL PROTECTIVE EQUIPMENT**

	<b>RESPIRATOR</b>	Not necessary under normal use conditions
X	<b>GOGGLES / FACE SHIELD</b>	Required; goggles should be chemical splash type
	<b>APRON</b>	Not necessary under normal use conditions
X	<b>GLOVES</b>	Required; PVC, Neoprene or Nitrile acceptable
	<b>BOOTS</b>	

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Clear liquid	BOILING POINT	212 deg F
ODOR	Downey type	FREEZING POINT	Not established
pH	8-8.5 (100% concentrate) 6-8 at use dilution depending on water supply pH	VAPOR PRESSURE	Not established
SPECIFIC GRAVITY	1.050	VAPOR DENSITY	Not established
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not determined

**SECTION 10 -- STABILITY AND REACTIVITY**

CHEMICAL STABILITY		<b>STABLE</b>	X		<b>UNSTABLE</b>	
<b>CONDITIONS TO AVOID</b>	No special precautions beyond standard safe industrial practices.					
INCOMPATIBILITY	Avoid contact with oxidizers.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Upon combustion, carbon monoxide and/or carbon dioxide					
POLYMERIZATION		<b>WILL NOT OCCUR</b>	X		<b>MAY OCCUR</b>	
<b>CONDITIONS TO AVOID</b>	Not applicable					

**SECTION 11 -- TOXICOLOGICAL INFORMATION****CARCINOGENICITY**

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	<b>THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z</b>

**OTHER EFFECTS**

<b>ACUTE</b>	Not determined
<b>CHRONIC</b>	Not determined

### SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD / COD VALUE	Not established					
ECOTOXICITY	No data available					

### SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Small amounts of unused product may be flushed safely to the sanitary sewer with plenty of water. Contact local water board before flushing large amounts. If solidified, large amounts may be disposed of in a sanitary landfill. Contact state or local authorities for additional restrictions.						
RCRA CLASSIFICATION	None						
RECYCLE CONTAINER		YES	X		CODE	2 - HDPE	NO

### SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS			NOT HAZARDOUS	X
DESCRIPTION	Not applicable					
HM CODE	None					

### SECTION 15 -- REGULATORY INFORMATION

#### REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
	KOSHER	
	SARA TITLE III MATERIAL	
	USDA AUTHORIZED	

### SECTION 16 -- OTHER INFORMATION

#### NFPA CLASSIFICATION

1	<b>BLUE</b>	HEALTH HAZARD
0	<b>RED</b>	FLAMMABILITY
0	<b>YELLOW</b>	REACTIVITY
--	<b>WHITE</b>	SPECIAL HAZARD

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