

BIO-SUL

National Fire Protection Association (NFPA)	Not Rated	Hazardous Material Information System (HMIS)	
		Health	1
		Fire Hazard	0
		Reactivity	0
Protective clothing	Safety glasses or goggles should be worn if there is possibility of eye contact. Impermeable gloves such as rubber, PVC or neoprene are recommended.	Emergency Overview	Collect spillage for reclaim or use absorbent material for pick up and disposal. Small amounts may be flushed to drain. Comply with federal, state and local regulations on reporting spills. Keep out of waterways and storm sewers.

Section 1. Chemical Product and Company Identification

Product Name	BIO-SUL	Code	GP BIO-SUL
Product Use	Cleaning & scavenging compound	Preparation date	Sept. 18, 2010
MSDS#	number	Supersedes	New
U. S. Headquarters: Guard Products 980 77 th Avenue Oakland CA 94621 800-369-8056		Contact phone:	
		Prepared by: R. Miller 800-342-3577	
		<u>In Case Of Emergency</u> 800-463-9300	

Section 2. Composition and Information on Ingredients

Ingredients	CAS	% by Weight	Exposure Limits	LC50/LD50
Contains blends of naturally occurring, non-pathogenic bacillus species. Also contains detergent materials which can contribute to eye and skin irritation but for which no exposure limits have been established.				

Section 3. Hazards Identification

Routes of Entry	Skin
Potential Acute Health Effects	None Known
<i>Eyes</i>	Irritating to eyes. No chronic effects known.

<i>Skin</i>	Can cause irritation from repeated exposure.
<i>Inhalation</i>	Vapors or mists can be irritating.
<i>Ingestion</i>	Do not take internally. Not a likely source of chronic exposure.
Medical Conditions Aggravated By Overexposure:	May affect mucous tissue and/or aggravate mucous membrane disorder.
See Toxicological Information (section 11)	

Section 4: First Aid Measures

Eye Contact	Flush with water for at least 15 min. Seek medical attention.
Skin Contact	Wash exposed skin with soap and water until gone. Remove affected clothes rinse off product and wash clothes before reuse.
Inhalation	If affected, remove individual to fresh air, get medical attention at once if there is any discomfort.
Ingestion	Dilute by giving large amounts of milk or water. Get medical attention immediately. Do not induce vomiting.

Section 5: Fire Fighting Measures

Flammability of the Product	Low
Flash Points	None to boiling @ 213° F
Products of Combustion	Oxides of carbon
Fire Fighting Media And Instructions	Use equipment appropriate to main cause of fire.
Special Remarks on Fire and Explosion Hazards	None

Section 6: Accidental Release Measures

Personal Precautions	Immediately remove uninvolved personnel.
Environmental Precautions And Clean-up Methods	Collect spillage for reclaim or use absorbent material for pick up and disposal. Small amounts may be flushed to drain. Comply with federal, state and local regulations on reporting spills. Keep out of waterways and storm sewers.

Section 7: Handling and Storage

Handling	Keep lid on containers when not in use. Wipe up spills promptly. Keep off of skin and out of eyes. Use standard industrial good practices.
Storage	Keep lid on containers when not in use. Wipe up spills promptly.

Section 8: Exposure Controls/Personal Protection

Engineering Controls	Keep lid on containers when not in use. Wipe up spills promptly.
Personal Protection	

Eyes	Safety glasses or goggles should be worn if there is possibility of eye contact.
Hands	Impermeable gloves such as rubber, PVC or neoprene are recommended.
Respiratory	None normally required.
Feet	None
Body	None

Section 9: Physical and Chemical Properties

Physical State and Appearance	turbid, medium viscosity liquid.
Odor	Almond / cherry
Color	Amber
pH	9.5-10.5 approx.
Specific Gravity	@ 1.03
Boiling/Condensation Point	225° F
Melting/Freezing Point	ND
Solubility in Water	complete

Section 10: Stability and Reactivity

Stability and Reactivity	Stable
Conditions of Instability	None
Incompatibility with Various Substances	Oxidizers, acids
Hazardous Decomposition Products	Oxides of carbon, nitrogen
Hazardous Polymerization	Cannot occur

Section 11: Toxicological Information

Acute Toxicity	ND
Effects of Chronic Exposure	None expected.
Other effects	None expected.

Section 12 Ecological Information

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Section 13 Disposal Considerations

Waste Information	. Small amounts may be flushed to drain. Comply with federal, state and local regulations on reporting spills. Keep out of waterways and storm sewers.
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Section 14: Transport Information

DOT Classification	DOT Proper Shipping Name	Not regulated
TDG Classification	TDG Proper Shipping Name	Not regulated

Section 15: Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2

US Regulations

Federal	Not regulated
State	Not regulated
Registered Product Information	Not regulated

Canadian Regulations

WHMIS Classification	Not regulated
Registered Product Information	Not regulated

Chemical Inventory Status

All ingredients of this product are listed or are excluded from listing on the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. All the ingredients are on the DSL list.

Section 16: Other Information

Other Special Considerations

None

Version

1.0

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BIO-SUL

Material Data Safety Sheet

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