1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Max Degreaser Probiotic Biosurfactant Degreaser & Cleaner

Product Code: 19003 Other means of identification: None

Recommended use of the chemical and restrictions on use

Recommended Use: Cleaning agent

Uses advised against: Use only as stated on label

Product Dilution: Heavy soil 1/5 to 1/10; Normal soil 1/20 to 1/32

Details of the supplier of the safety data sheet

Distributed by:

Faultless Brands 1025 W 8th St. Kansas City, MO 64101 USA 1-816-842-1230 www.faultless.com

Emergency Telephone number:

24 Hour Emergency Phone Number: 1-800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

Appearance: Clear, slightly hazy Physical state: Liquid Odor: Slightly soapy

Classification	Concentrated Product	Product Diluted >1:10
Acute toxicity - Oral	Category 4	No significant hazards
Eye irritation	Slight irritation possible	Slight irritation possible
Respiratory sensitization	No significant hazards	No significant hazards
Skin sensitization	No significant hazards	No significant hazards

Label Elements Signal Word: Warning Signal Word: None

Harmful if concentrate is swallowed Hazard statements:

May cause eye irritation





Product Diluted >1:10

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication

Standard (29 CFR1910.1200.

Emergency Overview - Concentrated Product

GENERAL STATEMENT: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION!

<u>Precautionary Statements - Response</u>: Specific Treatment (See Section 4 in the SDS)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms contact a doctor/physician.

IF SWALLOWED: Call a Poison Center or doctor/physician if you feel unwell.

<u>Precautionary Statements - Disposal</u>

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Precautionary Statements - Storage

Keep out of reach of children.

Hazards not otherwise classified (HNOC)

None known.

Other information

Unknown Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS				
Chemical Name	Common name and synonyms	CAS number	%*	
Glycerol		56-81-5	10 - < 20*	
Sodium Citrate		6132-04-3	1 - < 11*	
Other components below re	portable levels		80 - < 95*	

^{*}Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

	Concentrated Product	Diluted Product >1:10
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a doctor/physician if you feel unwell.	Non-reactive. No First-aid needed
Skin Contact	Take off all contaminated clothing. Wash off with soap and water. Call physician if you feel unwell. Wash contaminated clothing before reuse.	Non-irritating. No First-aid needed
Eye Contact	Immediately flush eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Contact a physician immediately.	May be slightly irritating. Rinse thoroughly with plenty of water. If irritation persists contact physician.
Ingestion	Call physician or poison control center immediately. Rinse mouth. Do not induce vomiting without advice from physician or poison control center. If vomiting occurs, keep head low so that stomach content does not get into the lungs.	Non-toxic. No First-aid needed.
Symptoms/effects, acute and delayed	Prolonged exposure may cause chronic effects.	None
Special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.	None anticipated.
General information	Follow directions above. If you feel unwell seek medical advice if possible.	e. Show label and SDS to attending First-aid giver and/or physician

5. FIRE-FIGHTING MEASURES

	Concentrated Product	Diluted Product >1:10
Suitable extinguishing media	Alcohol resistant foam. Dry powder. Carbon dioxide (CO2)	Does not burn.
Unsuitable extinguishing media	Do not use water jet as extinguisher may spread the fire.	None
Specific hazards arising from the burning of chemicals	During fire, gases hazardous to health may be formed.	Does not burn.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.	Does not burn.
Specific methods	Use standard firefighting procedures and consider the hazards of other involve	ed materials.
General fire hazards	No unusual fire or explosion hazards noted.	

6. ACCIDENTAL RELEASE MEASURES

	Concentrated Product	Diluted Product >1:10
Personal precautions, protective equipment and emergency procedures Methods and materials for containment and cleaning up	Keep unnecessary personnel away from spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Floor may be slippery. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS This product is miscible in water. Large spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor or divert vapor cloud drift. Dike the spilled material, where this is possible.	None needed. Caution floor may be slippery. Where possible, vacuum spilled liquid to recover material. Rinse water may be disposed of down a
	Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water. Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.	sanitary sewer system if authorized by the local municipality.
Environmental precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.	None needed - non-toxic, non- hazardous in diluted form.

7. HANDLING AND STORAGE

Precautions for safe handling	1 7 7 7	Normal ventilation is adequate. Avoid contact with eyes. Wear safety glasses.
Conditions for safe storage, including	Store locked up. Keep away from children and pets. Store in original tightly	
any incompatibilities	closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits
US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Chemical Name	Туре	Value	From
Glycerol (CAS 56-81-5)	PEL	5 mg/m ³ 15 mg/m ³	Respirable fraction. Total dust
Biological limit values	No biological exposure limits noted for the ingr	edient(s)	No exposure limits.
Appropriate engineering controls	Good general ventilation should be used. Venti	lation rates should be	Normal ventilation is adequate

Individual protection measures, such as personal protective equipment

natividadi protection medsares, sach as personal protective equipment			
Eye/face protection	Wear safety glasses with side shields or goggles	Safety glasses recommended	
Skin protection - hands/other	Wear appropriate chemical resistant gloves. Suitable gloves can be	None normally required. If allergic	
	recommended by the glove supplier. Wear appropriate chemical resistant	wear gloves and appropriate	
	clothing. Use of an impervious apron is recommended.	clothing/apron.	
Respiratory protection	Chemical respirator with organic vapor cartridge and full face piece if	None normally required.	
	threshold limits are exceeded.		
Thermal hazards	Wear appropriate thermal protective clothing, when necessary	None needed	
General hygiene considerations	Keep away from food and drink. Always observe good personal hygiene	Observe good hygiene practices	
	measures, such as washing after handling the material and before eating,		
	drinking, and/or smoking. Routinely wash work clothing and protective		

9. PHYSICAL AND CHEMICAL PROPERTIES

	Concentrated Product	Diluted Product >1:10
Appearance	Clear; slightly hazy	Clear
Physical state	Liquid	Liquid
Form	Liquid	Liquid
Color	Light yellow	Clear
Odor	Soapy	Slightly soapy
Odor threshold	Not available	Not available
pH	7.5 - 8.5	Not available
Melting point/freezing point	23°F (-5°C) estimated	32°F (-0°C) estimated
Initial boiling point and boiling range	212 °F (100°C) estimated	212 °F (100°C) estimated
Flash point	Not available	Not available
Evaporation rate	Not available	Not available
Flammability (solid, gas)	Not available	Not available
Upper/lower flammability limits	Not available	Not available
Upper/lower explosive limits	Not available	Not available
Vapor pressure	0.01 hPa estimated	Not available
Vapor density	Not available	Not available
Relative density	Not available	Not available
Solubility(ies) in water	Complete	Complete
Partition coefficient (in n-octanol/water)	Not available	Not available
Auto-ignition temperature	739°F (393°C) estimated	>739°F (393°C) estimated
Decomposition temperature	Not available	Not available
Viscosity	Not available	Not available
Density	10.80 lbs/gal estimated	Not available
Explosive properties	Not explosive	Not explosive
Flammability class	IIIB - non-flammable, non-combustible	Non-flammable, Non-combustible
Oxidizing properties	Not oxidizing	Non oxidizing
Percent volatile	70.07%	Not available
Specific gravity	1.08	Not available
VOC (weight %)	14.13% estimated	Not available

10. STABILITY AND REACTIVITY		
Reactivity	The product is stable and non-reactive under normal conditions of use,	None known
Chemical stability	Material is stable under normal conditions	Stable
Possibility of hazardous reactions Conditions to avoid	No dangerous reaction known under conditions of normal use Contact with incompatible materials	None known
Incompatible materials	Strong oxidizing agents	None known None known
Hazardous decomposition	No hazardous decomposition products are known.	None known
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11. TOXICOLOGICAL INFORMATION Information on likely routes of expos		
	Concentrated Product	Diluted Product >1:10
Inhalation	Not classified	Not classified
Skin contact	No significant hazard	Not harmful
Eye contact	Direct contact with eyes may cause temporary irritation Sodium Citrate test Result: No irritation - Rabbit	Slight irritation possible
Ingestion	Not available	Not available
Symptoms related to the physical,	Direct contact with eyes may cause temporary irritation	Slight irritation possible
Information on to deal attack of		
Information on toxicological effects	Hamaful if guallaurad	No simulfinant ha
Acute toxicity	Harmful if swallowed Oral: LD50* Species: Mouse Test Result: 5.4 mg/kg Species: Rat Test Result: 11.7 mg/kg * Estimates for product may be based on additional data not shown	No significant hazards
Skin corrosion/irritation	No significant hazard	Not harmful
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation	Slight irritation possible
Serious eye damage/eye imtadon	Sodium Citrate test Result: No irritation - Rabbit	Slight irritation possible
Respiratory or skin sensitization		
Skin sensitization	This product is not expected to cause skin sensitization	None expected
Skin sensitization - Sodium Citrate	OECD Result: No sensitization Species: Guinea pig OECD Result: No skin irritation Species: Rabbit	None expected
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	None expected
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) - NOT LISTED	None known
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	None known
Specific target organ toxicity - repeated exposure	Not classified	None known
Aspiration hazard	Not an aspiration hazard	Not harmful
12.ECOLOGICAL INFORMATION		
	Concentrated Product	Diluted Product >1:10
Ecotoxicity	Concentrated Product Not available	No significant hazards
Persistence and degradability	Not available Not available	No significant hazards
Mobility in soil	Not available	No significant hazards
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion,	No significant hazards
Other adverse effects		NO Significant nazarus
	photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	
13. DISPOSAL CONSIDERATIONS		
13. DISPOSAL CONSIDERATIONS	Concentrated Product	Diluted Product >1:10
Disposal instructions		
בושטישו ווושנו עכנוטווא	Collect and reclaim or dispose in sealed containers at licensed waste	Where possible, vacuum spilled
	disposal site. Do not allow this material to drain into sewers/water supplies.	liquid to recover material. Rinse
	Do not contaminate ponds, waterways or ditches with chemical or used	water may be disposed of down a
	container. Dispose of contents/container in accordance with	sanitary sewer system if authorized

	Concentrated Product	Diluted Product >1:10
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.	Where possible, vacuum spilled liquid to recover material. Rinse water may be disposed of down a sanitary sewer system if authorized by the local municipality.
Local disposal regulations	Dispose in accordance with all applicable regulations.	No known hazards
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.	No hazardous
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).	Not hazardous

Contaminated packaging	Since emptied containers may retain product residue, follow label warnings	Not hazardous
	even after container is emptied. Empty containers should be taken to an	
	approved waste handling site for recycling or disposal.	

14. TRANSPORT INFORMATION

	Concentrated Product	Diluted Product >1:10
DOT	Not regulated as dangerous goods	
IATA	Not regulated as dangerous goods	
IMDG	Not regulated as dangerous goods	
Transport in bulk according to Annex II Not established		
of MARPOL 73/38 and the IBC Code		

15. REGULATORY INFORMATION

	<u>c</u>	Concentrated Product	Diluted Product >1:10
US Federal Regulations	This product is a Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200		Not hazardous
TSCA Section 12(b) Export Notification	Not regulated	Not regulated	
CERCLA Hazardous Substance List (40	Not listed		Not applicable
SARA 304 Emergency release	Not regulated		Not applicable
OSHA Specifically Regulated	Not listed.		Not applicable
Superfund Amendments and			
Reauthorization Act of 1986 (SARA)	Hazard categories	Immediate Hazard - Yes Delayed hazard - No Fire hazard - No Pressure hazard - No Reactivity hazard - No	Not applicable
	SARA 302 Extremely	Not listed	Not applicable
	hazardous substance		
	SARA 311/312 hazardous chemical	No	Not applicable
	SARA 313 (TRI reporting)	Not regulated	Not applicable

Other Federal Regulations

	Concentrated Product	Diluted Product >1:10
Clean Air Act (CAA) Section 112	Not regulated	
Hazardous Air Pollutants (HAPs) List		
Clean Air Act (CAA) Section 112(r)	Not regulated	
Accidental Release Prevention (40 CFR		
68.130)		
Safe Drinking Water Act (SDWA)	Not regulated	

US State Regulations

	Concentrated Product	Diluted Product >1:10
US. California Controlled Substances.	Not listed.	Not applicable
US. Massachusetts RTK - Substance List	Glycerol (CAS 56-81-5)	Product quantity below regulation limits
US. New Jersey Worker and Community Right-to-Know Act	Glycerol (CAS 56-81-5)	Product quantity below regulation limits
US. Pennsylvania Worker and Community Right-to-Know Law	Glycerol (CAS 56-81-5)	Product quantity below regulation limits
US. Rhode Island RTK	Not regulated	Not applicable
US. California Proposition 65	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.	Not applicable

International Inventories

Country(s) or Region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IEDSD)	Yes
Europe	1	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or are exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION

	Concentra	Concentrated Product		Diluted Product >1:10	
	HMIS® Ratings	NFPA Ratings	HMIS® Ratings	NFPA Ratings	
Health	1	1	0	0	
Flammability	0	0	0	0	
Instability	0	0	0	0	
Personal Protection	l A	A	-	-	

Symbol





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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SAFETY DATA SHEET