



NATURECHEM® GMHS

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT IDENTIFICATION

Manufacturer: Vertellus Performance Materials Inc.
2110 High Point Road
Greensboro, NC 27403

Information and Emergency Phone during business hours: 1-800CASCHEM

For use only in the event of chemical emergencies involving
a spill, leak, fire, or accident with this material:
Call CHEMTREC 800 424-9300

Trade Name.....: NATURECHEM® GMHS
Chemical Name.....: Glyceryl mono-hydroxystearate
Synonyms.....: N/A
.....:
.....:
CAS #.....: 1323-42-8
Chemical Family.....: Fatty acid ester
Product Code.....: 73044
Product Use.....: Personal Care
PIN#.....: None
WHMIS Class.....: None

Distributed by:
The HallStar Company*
120 S. Riverside Plaza
Suite 1620
Chicago, IL 60606
Ph: 877-427-4255

*Affiliated companies include
RTD*HallStar, Inc.,
HallStar Solutions Corp.,
Ester Solutions Company,
Memphis Solutions Company, and
Marine Magnesium & Minerals Company

SECTION 2. COMPOSITION/INFORMATION ON COMPONENTS

COMPONENTS	CAS #	WEIGHT %
Glyceryl Mono-hydroxystearate	1323-42-8	>88%

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview:
Off white solid. Material presents little or no immediate significant hazard if spilled or involved in a fire.

Breathing:
Heavy dust exposure may cause respiratory tract irritation.

Skin Contact:
Prolonged/repeated contact may cause irritation in some individuals.

Eye Contact:
Contact with eyes may cause slight eye irritation.

Swallowing:
Not expected to be toxic by ingestion.

Long Term Health Effects:
Not known.

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SECTION 3. HAZARDS IDENTIFICATION ... continued

Conditions Aggravated By Exposure:
Not known.

SECTION 4. FIRST AID MEASURES

Breathing:
No specific treatment is necessary since the material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust remove to fresh air and get medical attention if cough or other symptoms develop.

Skin:
Wash with soap and water. Get medical attention if irritation develops or persists.

Eye:
Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids apart. Get medical attention if irritation or other symptoms occur.

Swallowing:
Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point.....	N/A	N/A
Method.....	N/A	
Lower Explosive Limit.....	N/A	
Upper Explosive Limit.....	N/A	
Auto Ignition Temperature....	N/A	
Extinguishing Media.....	CO2, dry chemical, alcohol foam, water spray	

Firefighting Procedure:
Evacuate area and fight fire from safe distance. Wear pressure-demand self-contained breathing apparatus (MSHA/NIOSH-approved or equivalent) and full protective gear.

Special Firefighting Procedure:
As with any fire, toxic gases, vapors, and fumes can be generated. Use pressure-demand self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Using water can cause frothing with increasing fire intensity.

Unusual Fire and Explosion Hazards:
None known.

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SECTION 5. FIRE FIGHTING MEASURES

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Conditions Of Flammability:

Avoid temperatures above flash point.

SECTION 6. ACCIDENTAL RELEASE MEASURES

General:

Minimize entry of material into sewers and drainage systems. Refer to permit discharge limitations if applicable. Isolate spill area, preventing entry by unauthorized persons. Prevent skin/eye contact.

Small/Large Spills:

Sweep or scoop material into a chemical waste container. Scrub area with detergent and water.

SECTION 7. HANDLING AND STORAGE

Handling:

Use with adequate ventilation. Avoid contact with skin and eyes. Wash thoroughly after handling. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage:

Keep container closed when not in use.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Levels:

None established.

Engineering Controls:

No special ventilation is required.

Respiratory Protection:

Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use a positive pressure air supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respiratory protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

Eye/Face Protection:

Use safety glasses. Where contact with the eyes is likely, use chemical goggles. Use a face shield as needed.

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SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION ... continued

Skin Protection:

Use impervious gloves. Use clean protective body-covering clothing as needed to minimize contact with clothing and skin.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance.....	:	Off white solid.	
Odor.....	:	N/A	
Initial Boiling Point.....	:	N/A	N/A
Final Boiling Point.....	:	N/A	N/A
Specific Gravity (Relative to Water).....	:	1.1 @ 25C	
Vapor Density (relative to air).....	:	Heavier	
Vapor Pressure (mm Hg).....	:	N/A	
pH.....	:	N/A	
Solubility in Water.....	:	Insoluble	
Freezing/Melting Point.....	:	156 deg F	
Octanol/water Partition Coefficient.....	:	N/A	
Odor Threshold.....	:	N/A	
Viscosity.....	:	Solid @ 25C	
Evaporation Rate (relative to n-Butylacetate)	:	Slower	

SECTION 10. STABILITY AND REACTIVITY

Stable:
Yes.

Hazardous Polymerization:
Not prone to hazardous polymerization.

Incompatibility:
None.

Conditions to Avoid:
None.

Hazardous Decomposition Products:
Products of incomplete combustion may include CO, CO₂, and dense smoke.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicology:

Glyceryl Mono-hydroxystearate (CAS# 1323-42-8);
Oral LD50, rat; >5,000mg/kg
Eye irritancy, rabbit; 1.3/110.0 - mild, transient irritant
Skin irritancy, rabbit; 1.3/8.0 - mildly irritating
48-hr human patch test; No observed dermal reactions

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological Information:
Not available.

Chemical Fate:
Not available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal:
Dispose of in accordance with all federal, state, and local regulations.

Container Disposal:
Dispose of in accordance with all federal, state, and local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Shipping Name...: Not Regulated
Hazard Class.....:
Packing Group.....:
UN/NA No.:
DOT Labels.....:
Subsidiary Label.....:
DOT Placards.....:

IMO Shipping Name...: Not Regulated
Hazard Class.....:
Packing Group.....:
UN No.:
IMO Labels.....:
Subsidiary Label.....:

IATA Shipping Name...: Not Regulated
Hazard Class.....:
Packing Group.....:
UN No.:
IATA Labels.....:
Subsidiary Label.....:

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Chronic Health Hazard : no
SARA 311/312 Acute Health Hazard.. : no
SARA 311/312 Fire Hazard..... : no
SARA 311/312 Sudden Pressure..... : no
SARA 311/312 Reactivity Hazard.... : no

Section 302 Extremely Hazardous:

Ingredients	CAS #	Weight %	TPQ
** None **			

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SECTION 15. REGULATORY INFORMATION

... continued

	CERCLA Hazardous Substances:		
Ingredients	CAS #	Weight %	RQ
** None **			
	Section 313 Toxic Chemicals:		
Ingredients	CAS #	Weight %	
** None **			
	NJ Environmental Hazardous Substance List:		
Ingredients	CAS #		
** None **			
	California Proposition 65 Ingredients:		
Ingredients	CAS #	Weight %	
** None **			

TSCA:

This substance is listed on the TSCA inventory.

DSL/EINECS:

This substance is listed on the Canadian Domestic Substances List & the European Inventory of Existing Commercial Chemical Substances

WHMIS:

This product is not classified as a controlled product under Canadian Controlled Product Regulations.

SECTION 16. OTHER INFORMATION

NFPA Hazard Ratings:		HMIS Hazard Rating:	
Health.....	: 1	Health.....	: 1
Fire.....	: 1	Fire.....	: 1
Reactivity.....	: 0	Reactivity.....	: 0
Specific Hazard....	: None		

NOTE:

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