

Ggel ECO-HMS

Safety Data Sheets

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Chemical Type	Mixture
Trade Name	Ggel ECO-HMS

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

1.2.1 Relevant Identified Uses

Major use category	Personal care products, cosmetic and toiletry industry
Use of the Substance/Mixture	Rheology control, suspend particles, enhance sensory in the oil phase

1.2.2. Uses Advised Against

No additional Information available.

1.3. Details of the Supplier of the Material Safety Data Sheet

For Product, safety, and pricing Information, please contact Applechem or your local distributors/agents

Applechem, Inc.

2 Cranberry Road, Unit A4

Parsippany-Troy Hills, NJ 07054, USA

(O) 862-210- 8344 (F) 862-210-8336. sales@applechem.com website: www.applechem.com

1.4. Emergency Telephone Number for Emergency Chemical Incident

The following phone # is ONLY for Chemical Emergency – Spill, Leak, Fire, Exposure, or Accident.

***phone # must be dialed within the country**

<u>Country</u>	<u>Emergency phone #</u>	<u>Language</u>
United States and Canada*	1-800-424-9300	English
Outside of US and Canada	+1-703-527-3887	English
<u>Europe</u>		
France	+33-975181407	French
Germany*	0800-181-7059	German
Italy*	800-789-767	Italian
Italy (Milan)	+39-0245557031	Italian
Poland (Warsaw)	+48-223988029	Polish
Spain*	900-868538	European Spanish
UK (London)	+44-870-8200418	English
<u>Asia</u>		
S. Korea*	00-308-12--2549	Korean
Taiwan*	00801-14-8954	Mandarin
People's Republic of China*	4001-204937	Mandarin

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

2.1.1 Classification According to GHS and Regulation (EC) number – 1272/2008 (CLP)

Aspiration Hazard: Category 1

Some of the components of this product are hazardous in the respirable form, cancer hazard. However, because of the physical nature of this product, dust generation is not expected under normal use condition.

2.1.3 Adverse Physicochemical, Human health and Environmental Effects

Eye Contact: May cause slight eye irritating. Avoid contact with eyes.

Skin Contact: Brief contact is essentially nonirritating to skin. Prolonged contact may cause slight skin irritation with local redness in susceptible persons.

Skin Absorption: Prolonged skin contact is unlikely to result in absorption of harmful amounts

Inhalation: Exposure to inhalation in dry form may cause. Avoid breathing dust from material. Under normal use condition, exposure to its dust is minimal due to its gel physical state.


Ingestion: Avoid ingestion

Aspiration: Category 1. May be fatal if swallowed and enters airways

Environment: none

Target organs: Eyes. Respiratory system

2.2.1 Labeling According to GHS and Regulation (EC) Number 1272/2008 (CLP)

Hazard Statement	AH1: H304. May be fatal if swallowed and enters airways.
Signal word	Danger
Danger symbol	
	GHS 08
Precautionary Statements	IF swallowed
Additional Advise	None
GHS Product Identifier	Ggel ECO-HMS

2.3. Other Hazards

No data available

SECTION 3: Composition and Information on Ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

INCI Name/Chemical Name	%	CAS #	EC #	Reach #	DSP/DPD Classification	CLP Classification
Quartz ("inhalable" crystalline silica dust)	0.1-1	14808-60-7	238-878-4		Category 2, Inhalation	Category 2, Inhalation
C 13-15 Alkane	60 - 90	3891-98-3	622-542-2		AH1:H304	AH1: H304

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures

- General** If potential for exposure exists refer to Section 8 for specific personal protective equipment
- Inhalation** Move person to fresh air; Obtain medical service if ill effects occur.
- skin contact** Remove contaminated clothing, and wash with water and soap. If irritation persists, consult medical service
- Eye contact** Irrigate with eyewash solution or clean water. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Hold the eyelids apart and flush for at least 10 minutes. Consult with eye doctor if irritation persists
- Ingestion** Wash out mouth with water and give 200 -300 ml of water to drink. Consult with medical services if ill effects occur.

4.2. Most Important Symptoms and Effects, both Acute and Delayed

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

No supplemental information available

SECTION 5: Fire Fighting Measures

5.1. Extinguishing Media

Water fog or fine spray; Dry chemical fire extinguishers; Carbon dioxide fire extinguishers; Foam – general purpose synthetic foams (including AFFF type) or protein foams are preferred if available.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard	Direct fire hazard – Combustible. Indirect fire Hazard – heating increases the fire hazard. Temperature above flash point – higher fire/explosion hazard
Explosion Hazard	No direct explosion hazard. Violent steam generation or eruption may occur upon application of direct water stream to hot liquid. Dense smoke may be produced when product burns.
Reactivity:	On burning – release of carbon monoxide/carbon dioxide and other combustion products of varying composition which may be toxic and/or irritating.
General Measures:	Mark the danger area. Exposure to heat – have neighborhood close doors and windows. Exposure to fire/heat – consider evacuation. Wash contaminated clothes

5.3. Advice for Firefighters

Fire fighting procedures: Material is very slippery when spilled on. Keep people away. Isolate fire and deny unnecessary entry. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Do not use direct water stream, May spread fire. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.

Special Protective equipments for fire fighter: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

6.1.1. For Non-Emergency Personnel

Spilled material may cause a slipping hazard. Refer to section 7 and 8 for handling and exposure control/personal protection

6.1.2. For Emergency Responders

Spilled material is slipper. Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7 and 8 for handling and exposure control/personal protection

6.3. Methods and Material for Containment and Cleaning Up

Avoid allowing water runoff to contact spilled material. Prevent further leakage or spillage if safe to do so. Do not flush into surface water. Do not let product enter drains.

Scrape up the spilled material. Scrub the area with detergent and water. For waste disposal, see section 13 of this document. Forms smooth, slippery surfaces on floors, posing an accident risk.

6.4. Reference to Other Sections

Section 7 and 8

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling

Prevent eye contact and ingestion. Wash thoroughly with soap/water after handling.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Prohibitions on mixed storage	Keep the product away from: ignition sources , strong acids, strong bases, and strong oxidizing agents
Storage area	In well-ventilated place, at room temperature. Meet the legal requirements.
Special rules on packaging	Keep it closed, correctly labeled, and meet with the legal requirements
Packaging materials	Plastics or steel with plastic inner lining.

7.3. Specific End Uses

No additional information is available

SECTION 8: Exposure Controls and Personal Protection

8.1. Control Parameters

Occupational exposure limits on component – Quartz CAS# 14808-60-7

	Type	Value	form
US. ACGIH Threshold limit Values	TWA	0.025 mg/M ³	Respirable fraction
US. OSHA Table Z-3 (29 CFR 1910.1000)	TWA	0.1 mg/m ³	Respirable.
		0.3 mg/m ³	Total dust

Exposure guideline Only applicable if the material is allowed to dry out and form a dust. Because the dust generation is not expected due to its gel physical form under normal use conditions, the Occupational Exposure Limits are not relevant to this product.

Occupational exposure limits on component – C13-15 Alkane, CAS # 8042-47-5

US. ACGIH TLV		5 mg/m ³ 8 hours	Inhalable fraction
NIOSH REL	TWA	5 mg/m ³ , 10 hours	Mist form
	STEL	10 mg/m ³ , 15 minutes	Mist

Exposure guideline The above exposure limits is for if used in a way that generates a “mist”. Under normal use condition, it is not likely to generate a mist, because of the physical gel form of Ggel ECO-HMS

8.2. Exposure Controls

Personal protective equipment	Use safety glasses (with side shields), Wear clean, body-covering clothes. Use gloves when prolonged or frequently repeated contact could occur. Select the gloves which have good chemical resistant to this product and other commonly used products in your production.
Respiratory Protection	Under intended handling conditions, no respiratory protection normally required. In case of insufficient ventilation, wear suitable respiratory equipment.
Ingestion	Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

Ventilation

Good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines.

SECTION 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Appearance (room temperature):	Gel
Color:	gray
Odor:	Mild characteristic odor
pH:	No applicable.
Melting point:	Not applicable
Solidification point:	No test data available
Boiling point:	241 – 251 C at 760 mm Hg
Flash point:	No test data available
Vapor pressure:	No supplemental data available
Relative vapor density at 20°C:	No supplemental data available
Density:	No data available
Solubility	Not soluble in water. Dispersible in oils
Log Pow	No supplemental data available
Self ignition temperature	No supplemental data available
Decomposition temperature	No supplemental data available
Viscosity	No data available

9.2. Other Information

Other Properties	Not dispersible in water. Dispersible in oil, and most organic solvents
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SECTION 10: Stability and Reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use. On burning, release carbon monoxide/carbon dioxide, and other combustion productions which may be toxic or irritating.

10.2. Chemical Stability

Stable under normal use condition

10.3. Possibility of Hazardous Reactions

Polymerization will not occur

10.4. Conditions to Avoid

Exposure to elevated high temperature can cause product to decompose

10.5. Incompatible Materials

Avoid strong oxidizing agents, strong acid and base

10.6. Hazardous Decomposition Products

No supplementary information available

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

The following information is based on a consideration of the properties of the main components and the similar products. This data is based on publically available information, and the information provided by their manufactures.

Component – Quartz, CAS 14808-60-7 is a hazardous by OSHA criteria, cancer hazard.

Carcinogenicity:

A ACGIH carcinogens: A2 suspected human carcinogen

IARC Monographs, Overall Evaluation of Carcinogenicity: 1 Carcinogenic to humans

US NTP Report on Carcinogens: Known carcinogen

Acute Toxicity

C13-15 Alkane

Dermal

LD 50 > 5000 mg/Kg

Oral

LC 50 > 5000 mg/Kg

Inhalation

➤ 2.19 mg/L

Sensitization

In three human repeated patch studies, it was not considered to be a sensitizer ranging from concentration of 20% to 80%. It was not sensitizing by the Local Lymph Node Assay (in concentration up to 40%)

Genotoxicity

Negative in an Ames bacterial cell mutagenicity assay and mouse lymphoma assay. Not clastogenic at non-precipitating doses with or without metabolic activation in the chromosome aberration study

SECTION 12: Ecological Information

The ecological information of this product has not been determined. The information is based on the components and the similar products, whose information is in public or supplied by the manufacturer

12.1. Toxicity.

Ecology – general: Not classified

Q-90 Bentonite (226226-22-8). IC 50 Activated sludge > 300 mg/L 3.00 hours

EC 50 Algae > 0.7 mg/L 72.00 hours

EC 50 Daphnia > 100 mg/L 48.00 hours

NOAEC Fish > 100 mg/L 96.00 hours

12.2. Persistence and Degradability

No data available

12.3. Bioaccumulative Potential

No data available

12.4. Mobility in Soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other Adverse Effects

No data available

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Disposal	Wear protective clothing to prevent skin and eye contamination, as well as dust masks to avoid dust inhalation. For small spills, remove and wipe up residue using absorbent material. For larger spills, gather together material using appropriate tools (shovel, scraper) and place in appropriate container for disposal. Please exercise caution as contaminated surfaces will be very slippery. Any dust formation must be cleaned using a vacuum cleaner equipped with HEPA-type filter.
Ecology – waste materials	Do not discharge into drains or the body of water. Dispose by a licensed waste treatment company.
Regional legislation (waste)	No supplemental information available

SECTION 14: Transport Information

DOT Non-Bulk	Not regulated
DOT Bulk	Not regulated
UN number	Not Classified
UN packaging group	Not Classified
UN Hazard class-primary	Not Classified
International Maritime Organization (IMDG)	Not Classified
Proper shipping name	
Marine Pollutant	
class-primary	
EMS number	
International Air Transportation Association Classification (IATA)	Not Classified
Proper shipping name	
Hazard class	
ID #	
Packing group	
Cargo packing instruction	
Passenger Packing Instruction	

SECTION 15: Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific to Substance/Mixture

HMIS (USA)	Health: 1	Flammability: 1	Reactivity: 0	Personal Protection: C
NFPA (USA)	Health: 1	Fire Hazard: 1	Instability: 0	Special Hazard: None

OSHA Hazard Communication Standard, 29 CFR 910.1200 This product is a “hazardous chemical”

Resource Conservation and Recovery Act –RCRA (40 CFR 261)

To our best knowledge, this product doesn’t contain the substances which are subject to the reporting requirements of this statute

Comprehensive Environmental Response, Compensation and Liability (CERCLA/Superfund)

To our best knowledge, this product doesn’t contain the substances which are subject to the reporting requirements of this statute

Superfund Amendments and Reauthorization Act of 1986 Title III

Section 302 – Extremely Hazardous Substances

To our best knowledge, this product doesn’t contain the substances which are subject to the reporting requirements of this statute

Section 304 – Hazardous Substances.

To our best knowledge, this product doesn’t contain the substances which are subject to the reporting requirements of this statute

Section 311/312 – Hazardous Communication Standard

Immediate (acute) health hazard	No
Delayed (Chronic) health hazard	Yes
Fire hazard	No
Reactive hazard	No
Sudden Release of Pressure Hazard	No

Sections 313 - Toxic Chemical List

To our best knowledge, This product doesn’t contain the substances which are subject to the reporting requirements of this statute.

Pennsylvania (worker and community Right-to-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List:

Quartz (CAS # 14808-60-7)

Pennsylvania (worker and Community Right-to-Know Act): Pennsylvania Special Hazardous Substance List

Quartz (CAS # 14808-60-7)

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986).

Warning! : This product contains a chemical known to the state of California to cause cancer.

Quartz (CAS # 14808-60-7)

New Jersey RTK- Substance: Listed substance

Quartz (CAS # 14808-60-7)

C14-22 Alkane (mineral oil) (CAS # 8042-47-5)

Massachusetts RTK – Substance: Listed Substance

Quartz (CAS # 14808-60-7)

Chemical Inventory Legend

Compliant

AICS – Australian Inventory of Chemical Substances	Yes
DSL – Canadian Domestic Substances List	Y
ECL – Korean Existing Chemical List	Y
IECS – Inventory of Existing Chemicals in China	Y
NZIOC – New Zealand Inventory of Chemicals	Y
ASEAN	Y
TSCA - USA Toxic Substances Control Act	Y
EC Inventories – European Community Inventories of Chemicals (EINECS/ELINCS/NLP/REACH)	Y

15.2. Chemical Safety Assessment

No supplemental data available

SECTION 16: Other Information

SDS Reason for revision	
SDS changed sections	
Training advice	
Other information	

Key or legend to abbreviations and acronyms
Key Literature references and sources for data:
Refer to the respective sections
Component supplier's data

Classification/evaluation Procedure –EC No. 1272/2008 (CLP), article 9
The physical state of this product is a "Gel" which encases/traps the quartz particles, which is not expected to become inhalable dust particles under normal use conditions.
Full text of phrases/statements which are not written out in full under section 2 and 3

None	
Training Advice	No data available
Further information	No data available
Instruction for use	No data available

Disclaimer

The information in this publication is based on the public information and the SDS/MSDS and information supplied by the component's suppliers. The information is believed to be accurate and is given in good faith but not representation or warranty as to its completeness or accuracy is made.

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