

# Ggel Silkane

## Safety Data Sheets

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

#### 1.1. Product Identifier

<b>Chemical Type</b>	Mixture
<b>Trade Name</b>	Ggel Silkane

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

##### 1.2.1 Relevant Identified Uses

<b>Major use category</b>	Personal care products, cosmetic and toiletry industry
<b>Use of the Substance/Mixture</b>	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](mailto:sales@applechem.com) website: [www.applechem.com](http://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 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 Silkane

### 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
C15-19 Alkane	60 - 90	64742-46-7	934-954-2		Category 1, Aspiration	Category 1, Aspiration

### 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

<b>Prohibitions on mixed storage</b>	Keep the product away from: ignition sources , strong acids, strong bases, and strong oxidizing agents
<b>Storage area</b>	In well-ventilated place, at room temperature. Meet the legal requirements.
<b>Special rules on packaging</b>	Keep it closed, correctly labeled, and meet with the legal requirements
<b>Packaging materials</b>	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
<b>US. ACGIH Threshold limit Values</b>	TWA	0.025 mg/M <sup>3</sup>	Respirable fraction
<b>US. OSHA Table Z-3 (29 CFR 1910.1000)</b>	TWA	0.1 mg/m <sup>3</sup>	Respirable.
		0.3 mg/m <sup>3</sup>	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 – C15-19 Alkane, CAS # 8042-47-5

<b>US. ACGIH TLV</b>		5 mg/m <sup>3</sup> 8 hours	Inhalable fraction
<b>NIOSH REL</b>	TWA	5 mg/m <sup>3</sup> , 10 hours	Mist form
	STEL	10 mg/m <sup>3</sup> , 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 Silkane

### 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**

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

**9.2. Other Information**

<b>Other Properties</b>	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**

**C15-19 Alkane**

**Skin irritation**

No Irritant at 70% by Occlusive Patch Test 48 h and 20 volunteer

**Serious eye damage/irritation**

BCOP Test (OECD 437) at 100%: No Irritant

**Skin sensitization**

HRIPT (100 volunteers), semi-occlusive patch. No dermal irritation and no sensitization at 60%

**Mutagenicity**

Ames test. Non (pro) mutagenic

**Carcinogenicity**

**Reproductive toxicity**

No data available

**Specific target-organ –single exposure**

No data available

**Specific target-organ –repeated exposure**

**Aspiration hazard**

No data available.

**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

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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
<b>International Maritime Organization (IMDG)</b>	Not Classified
Proper shipping name	
Marine Pollutant	
class-primary	
EMS number	
<b>International Air Transportation Association Classification (IATA)</b>	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

<b>HMIS (USA)</b>	Health: 1	Flammability: 1	Reactivity: 0	Personal Protection: C
<b>NFPA (USA)</b>	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	No
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	

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

<b>Classification/evaluation Procedure –EC No. 1272/2008 (CLP), article 9</b>
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.
<b>Full text of phrases/statements which are not written out in full under section 2 and 3</b>

None	
<b>Training Advice</b>	No data available
<b>Further information</b>	No data available
<b>Instruction for use</b>	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 no representation or warranty as to its completeness or accuracy is made.

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