

Sensogel 200

(Material) Safety Data Sheets

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

1.1. Product Identifier

Chemical Type	Mixture
Trade Name	Sensogel 200
INCI Name	<i>HEA/Sodium Acryloyldimethyl Taurate / Steareth-20 Methacrylate Copolymer & C13-C14 Isoparaffin & Polysorbate 80 & Decyl Glucoside & Glycerin</i>

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, cosmetic and toiletry
Use of the Substance/Mixture	Cosmetic manufacturing. Thickening and emulsifying.

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

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)

Skin Irritant: Category 2

2.1.3 Adverse Physicochemical, Human health and Environmental Effects

Eye Contact: May cause slight eye irritating

Skin Contact: Brief contact is essentially nonirritating to skin. Prolonged contact may cause slight skin irritation with local redness. Repeated contact may cause light skin irritation with local redness

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

Inhalation: Over exposure to vapor of the product can cause danger.

Ingestion: Small amounts swallowed incidentally as a result of normal operation are not likely to cause injury; However, swallowing a large amount may cause injury. Swallowing and entering the airway may be fatal.

2.2.4 Labeling According to Regulation (EC) Number 1272/2008 (CLP)



Signal word: Warning

Precautionary Statements:

P264: Wash thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

Response:

2.3. Environment

No data available

SECTION 3: Composition and Information on Ingredients

3.1. Mixtures

INCI Name/Chemical Name	%	CAS #	EC #	DSP/DPD Classification	CLP Classification
C13-C14 Isoparaffin	10 – 20%	246538-79-4	920-901-0	Harmful	H304, Asp.1

Classification of this mixture is based on the data available for the individual components and similar mixtures, which contain compounds that are chemically similar in structure and function. The mixture contains no other components which are, to the knowledge of the supplier, considered to be hazardous in the concentrations present and are therefore not listed in this section.

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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical attention for 48 hours.
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

Potential acute health effects

If swallowed, may be aspirated and cause lung damage.

May be irritating to the eyes, nose, throat, and lungs.

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 pressure built up inside the container which may result in bursting. 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: Keep people away. Isolate fire and deny unnecessary entry. 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. Contain fire water run-off if possible. If not contained, fire water run-off may cause environmental damage. Review the “Accidental Release Measures” and the “Ecological information” sections.

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. Do not touch or walk through spilt material. Refer to section 7 and 8 for handling and exposure control/personal protection. Keep unnecessary and unprotected personnel from entering.

6.1.2. For Emergency Responders

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

6.2 Environmental Precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air)

6.3. Methods and Material for Containment and Cleaning Up

Small spill: Stop leak if without risk. Move the containers from the spill area. Dilute with water and mop up.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basement or confined area. Contain and collect spillage with non-combustible, absorbent materials e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulation.

6.4. Reference to Other Sections

Section 7 and 8

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling

Put on appropriate personal protective equipment.

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed.

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

Exposure limit to the component – Isoparaffin: Vapor, RCP-TWA – 152 ppm, 1200 mg/m³.

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	If engineering controls do not maintain airborne contaminant concentrations at a safe level, an approved respirator may be appropriate.
Ingestion	Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.
Ventilation	Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operation. Local exhaust ventilation may be necessary for some operations.

SECTION 9: Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

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Appearance (room temperature):	Viscous translucent gel
Color:	Light gray
Odor:	Mild characteristic odor
pH:	No applicable.
Melting point:	Not applicable
Solidification point:	No test data available
Boiling point:	100 C
Flash point:	Closed cup ≥ 102.5 C, according to the literature
Vapor pressure:	No data
Relative vapor density at 20°C:	No data
Density:	No data
Solubility:	Dispersible in oils and cold water
Log Pow:	No supplemental data available
Self ignition temperature:	> 200 C, Literature
Decomposition temperature:	No supplemental data available
Viscosity:	100,000 cP, @ 10 rpm, SP #6

9.2. Other Information

Other Properties Will gel water. Dispersible in oil, and most organic solvents

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

Under normal use and storage conditions, hazardous reactions will not occur.

10.4. Conditions to Avoid

No data available

10.5. Incompatible Materials

No data available

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. This data is based on publicly available information, the information provided by their manufactures, and data on the similar products

Acute toxicity

Oral toxicity	Not classified. Isoparaffin component, LD 50 > 15000 mg/Kg. Other components are not expected to have adverse effect.
Dermal toxicity	Not classified.
Aspiration	Isoparaffin is Category I Aspiration Hazard.
Skin corrosion/irritation	Mild-irritating to skin.
Serious eye damage/irritation	May cause a mild irritation.
Respiratory and skin sensitization	Non-sensitization.
Germ cell mutagenicity	Negative. Based on literature.
Carcinogenicity	No data available
Reproductive toxicity	No data available.

Specific target-organ –single exposure	No data available
Specific target-organ – repeated exposure	No data available
Aspiration hazard	No data available
Other effects	Vapor/aerosol concentrations of isoparaffin component as a liquid above the recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death. Being in a soft gel physical state, the vapor pressure of the isoparaffin component of this product is expected to be lower.

SECTION 12: Ecological Information

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

12.1. Toxicity.

Ecology – General: Not classified

Ecology – Air: Not classified

Ecology – Water: Not toxic at water solubility, based on literature of the components and the similar materials

12.2. Persistence and Degradability

Isoparaffin and polysorbate 80 are readily biodegradable. The polymer component is not readily biodegradable and is heavily removable.

12.3. Bioaccumulative Potential

The bioaccumulative potential is expected to be low, based on literature.

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 supplemental data available

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Disposal	Disposed in accordance with country, state, and local regulations.
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: 2 Flammability: 1 Reactivity: 0 Personal Protection: C

NFPA (USA) Health: 2 Fire Hazard: 1 Instability: 0 Special Hazard: None

OSHA Hazard Communication Standard, 29 CFR 910.1200 Not 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 No

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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:

To our best knowledge, this product doesn't contain components are cited in this list, and are present at levels which require reporting.

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

To the best of our knowledge, this product does not contain chemical at level which require reporting under this statute.

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

To the best of our knowledge, this product doesn't contain any listed substance known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

New Jersey RTK- Substance: Listed substance

To the best of our knowledge, this product does not contain chemical at level which require reporting under this statute.

Massachusetts RTK – Substance: Listed Substance

To the best of our knowledge, this product does not contain chemical at level which require reporting under this statute.

Chemical Inventory Legend

Compliant

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AICS – Australian Inventory of Chemical Substances	Y
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
PICCS – Philippine Inventory of Chemicals and Chemical Substances	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	To add Flash point information
SDS changed sections	Section 9, Flash point
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	
Not classified for this product and its components.	
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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