Section 1. Product and Company Identification

Product Name Cetearyl Glucoside
CAS Number

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
(914) 654-6800 **(914) 654-6899**
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200
Classification of the product: No need for classification according to GHS criteria for this product. This product does not contain any components classified as hazardous under the referenced regulation.

Label elements: The product does not require a hazard warning label in accordance with GHS criteria.

GHS Label Elements
Pictograms: N/A
Signal word: N/A

Hazard and precautionary statements
None

Hazards not otherwise classified: No specific dangers known, if the regulations/notes for storage and handling are considered.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200
Emergency overview: Low hazard for usual industrial or commercial handling.

Section 3. Composition / Information on Ingredients

Common Name Cetearyl Glucoside

COMPONENT	CAS NUMBER	CONCENTRATION
Fatty Alcohol	67762-27-0	30.0 – 60.0%
D-Giucopyranoside, octadecyl	27836-65-3	15.0 – 40.0%
D-Giucopyranoside, hexadecyl	54549-27-8	15.0 – 40.0%
D-Giucopyranose, oligomeric, stearyl glycosides	161074-90-4	5.0 – 12.0%
D-Giucopyranose, oligomeric, cetyl glycosides	161074-89-1	5.0 – 12.0%

Section 4. First Aid Measures

Description of first-aid measures
Inhalation: Remove victim to fresh air and away from exposure immediately. If breathing has stopped, administer artificial respiration. Immediate medical attention required.
Skin Contact: After contact with skin, wash immediately with plenty of water and soap.
Eye Contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Do not rub eyes; mechanical action may cause corneal damage. If adverse health effects develop seek medical attention.
Ingestion: Call a poison control center or physician for treatment advice.

Most important symptoms and effects, both acute and delayed
Symptoms: No significant symptoms are expected due to the non-classification of the product.
Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed
Note to Physician
Treatment: Treat symptomatically.

Section 5. Firefighting Measures

Extinguishing media
Suitable extinguishing media: Water spray, dry powder, foam
Unsuitable extinguishing media for safety reasons: Carbon dioxide

Special hazards arising from the substance or mixture
Hazards during fire-fighting: Harmful vapors
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for firefighters
Protective equipment for firefighting: Wear a self-contained breathing apparatus.

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Use personal protective clothing.

Environmental precautions: Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Pick up with suitable appliance and dispose of.
Avoid raising dust. Dispose of absorbed material in accordance with regulations.

Section 7. Handling and Storage

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice.
Protection against fire and explosion: Avoid dust formation. Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

Conditions for safe storage, including any incompatibilities
Suitable materials for containers: High density polyethylene (HOPE)
Further information on storage conditions: Keep container tightly closed and dry; store in a cool place. Please refer to the product specific data sheet for further information.
Storage stability
Storage temperature: ≤ 30°C
Protect against moisture.

Section 8. Exposure Controls / Personal Protection

Advice on system design: Ensure adequate ventilation.

Personal protective equipment
Respiratory protection: Nuisance dust mask if use causes dusting. Respiratory protection not required.
Hand protection: Plastic gloves, Rubber gloves
Eye Protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)
Body protection: Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).
General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

Form: Pastilles, waxy type
Odor: Characteristic
Odor Threshold: Not applicable
Color: White
pH Value: Not applicable
Melting range: 60 - 70°C
Flash point: 186°C
Flammability: Not Flammable
Flammability of Aerosol Products: Not applicable (the product does not form flammable aerosols)
Lower explosion limit: For solids not relevant for classification and labelling.
Upper explosion limit: For solids not relevant for classification and labelling.
Auto-ignition: Not determined
Vapor pressure (20°C): ≤ 0.042 Pa
Bulk density: 1.027 g/cm^3
Vapor density: Not applicable
Partitioning coefficient (n-Octanol/water): log Pow: 6.03 - 7.72 (calculated)
Self-ignition temperature: 263°C
Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic: Not applicable, the product is solid
Viscosity, kinematic: Not applicable, the product is solid
Solubility in water: Insoluble
Solubility (qualitative): Insoluble (Solvent: Distilled water)
Evaporation rate: The product is a non-volatile solid.
Other Information: If necessary, information on other physical and chemical parameters is indicated in this section.

Section 10. Stability and Reactivity

Reactivity
Oxidizing properties: Not fire-propagating
Chemical Stability: The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions: Reacts with oxidizing agents. Reacts with bases. Reacts with strong acids.
Conditions to avoid: See MSDS section 7- Handling and storage.
Incompatible materials: No substances known that should be avoided.

Decomposition products
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.
Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Section 11. Toxicological Information

Primary routes of exposure
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry: Dermal contact.

Acute Toxicity/Effects
Acute toxicity
Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Oral
Type of value: LD50
Species: rat
Value: > 5,000 mg/kg
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Dermal
Type of value: LD50
Species: Rabbit
Value: > 2,000 mg/kg
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment other acute effects
Assessment of STOT single: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion
Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes.

Skin
Species: rabbit
Result: Slightly irritating.
Method: OECD Guideline 404

Eye
Species: rabbit
Result: Slightly irritating.
Method: OECD Guideline 405

Sensitization
Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

Buehler test
Species: guinea pig
Result: Non-sensitizing.
Method: OECD Guideline 406

Aspiration Hazard: No aspiration hazard expected.

Chronic Toxicity/Effects
Repeated dose toxicity
Assessment of repeated dose toxicity: No adverse effects were observed after repeated oral exposure in animal studies.

Genetic toxicity
Assessment of mutagenicity: Results from a number of mutagenicity studies with microorganisms and mammalian cell culture are available. Taking into account all of the information, there is no indication that the substance is mutagenic.

Genetic toxicity in vitro: OECD Guideline 471 Ames-test Salmonella typhimurium:negative

Carcinogenicity
Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity
Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect.

Teratogenicity
Assessment of teratogenicity: In animal studies the substance did not cause malformations.

Symptoms of Exposure: No significant symptoms are expected due to the non-classification of the product.

Section 12. Ecological Information

Toxicity
Aquatic toxicity
Assessment of aquatic toxicity: No toxic effects occur within the range of solubility. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish
LC50 > 100 mg/l, Brachydanio rerio (DIN EN ISO 7346-2)

Aquatic invertebrates
EC50 (48 h) > 100 mg/l, Daphnia magna (DIN 38412 Part 11, static)
The details of the toxic effect relate to the nominal concentration. No toxic effects occur within the range of solubility.

Aquatic plants
EC50 (96 h) 10 - 100 mg/l (growth rate), Desmodesmus subspicatus (Growth Inhibition Test, static)
The details of the toxic effect relate to the nominal concentration. No toxic effects occur within the range of solubility.

Chronic toxicity to fish
No observed effect concentration (28 d) > 1 mg/l, Brachydanio rerio (OECD Guideline 204, Flow through.)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. No toxic effects occur within the range of solubility.

Microorganisms/Effect on activated sludge
Toxicity to microorganisms
DIN 38412 Part 27 (draft) bacterium/EGO: > 100 mg/l

Persistence and degradability
Assessment biodegradation and elimination (H_2O)
Readily biodegradable (according to OECD criteria).

Bioaccumulative potential
Assessment bioaccumulation potential
Based on a weight of evidence, the compound will not bioaccumulate.

Mobility in soil
Assessment transport between environmental compartments
Adsorption to solid soil phase is possible.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Land transport
US DOT: Not classified as a dangerous good under transport regulations

Sea transport
IMDG: Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO: Not classified as a dangerous good under transport regulations

Section 15. Regulatory Information

Federal Regulations
Registration Status
Cosmetic - TSCA, US: released/exempt
Chemical - TSCA, US: blocked/not listed
Used for R&D purposes

EPCRA 311/312 (Hazard categories): Not hazardous

State Regulations
State RTK: NJ
CAS Number: 67762-27-0
Chemical Name: Fatty Alcohol

HMIS Rating
Health: 1
Flammability: 1
Reactivity: 0

NFPA Rating
Health: 1
Flammability: 1
Reactivity: 0

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 6/30/2015