SAFETY DATA SHEET
FGSE35-2017 NPF Food Grade Silicone Emulsion

Data Prepared: January 4th, 2017

SECTION 1: Product and company identification

Product name : FGSE35-2017 NPF Food Grade Silicone Emulsion
Product code : FGSE35-2017

Manufacturer or supplier details
Company name of supplier : Clearco Products Co Inc.
Address : 15 York Road
Willow Grove, PA 19090
Telephone : 215-366-7860
Emergency Telephone : CHEM TEL: 1-800-255-3924 (DOMESTIC)
+01-813-248-0585 (INTERNATIONAL)

SECTION 2: Hazards identification

Classification of the substance or mixture : SERIOUS EYE DAMAGE/EYE IRRITATION- Category 2A

GHS label elements

Hazard pictograms : ![Warning]

Signal word : Warning
Hazard statements : H319 Causes serious eye irritation.

Precautionary statements: P280- Wear eye protection, face protection
P302+P352-If on skin: Wash with plenty of water
P305+P351+P338- If IN EYES Rinse cautiously with water for several minutes.
Remove contact lenses. If present and easy to do. Continue rinsing.
P501-Dipose in a safe mannter in accordance with local/national regulations.

Other hazards
Other hazards not contributing to the classification : May be irritating to eyes

Unknown acute toxicity (GHS US)
Not applicable
SECTION 3: Composition/information on ingredients

Substance/ Mixture : Mixture
Chemical name : Polydimethylsiloxane Emulsion

<table>
<thead>
<tr>
<th>Hazardous ingredients</th>
<th>% by weight</th>
<th>CAS number</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SECONDARY ALCOHOL ETHOXYLATE</td>
<td>1-5</td>
<td>84133-50-6</td>
<td>Eye Irr. 2A, H319</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel well, seek medical advice (show the label where possible).
First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comofrtable for breathing.
First-aid measures after skin contact : Wash skin with mild soup and water. Wash contaminated clothing before reuse. If skin irritation occurs. Get medical advice/attention.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : No information available
Symptoms/injuries after skin contact : May cause skin irritation
Symptoms/injuries after eye contact : May cause eye irritation
Symptoms/injuries after ingestion : Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

Indication of any immediate medical attention and special treatment needed

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Not combustible. If there is a fire close by, use suitable extinguishing agents. Carbon dioxide (CO2), powder, alcohol-resistant foam, water fog.

Unsuitable extinguishing media : None known.

Special hazards arising from the substance or mixture

Fire hazard : The product itself does not burn.
Explosion hazard : Product is not explosive
Reactivity : Normally stable, even under fire exposure conditions, and not reactive with water.
Advice for firefighters

Firefighting instructions: Use extinguishing media appropriate for surrounding fire. Exercise caution when fighting chemical fire.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant, retardant clothing. Use self container breathing apparatus.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Protective equipment: Wear water-proof gloves. Avoid contact with skin and eyes.
Emergency procedures: Avoid all unnecessary exposure. Ventilate area. Stop leak, if possible without risk. Take up small spills with dry chemical absorbent.

For emergency responders
Protective equipment: Avoid all eye and skin contact and do not breathe vapor and mist. Chemical goggles or face shield with safety glasses. Wear suitable gloves.
Emergency procedures: Stop leak, if possible without risk. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Impound and recover large spill by mixing it with inert granular solids.

Environmental precautions
Do not discharge into drains or the environment. Contains no substances known to be hazardous to the environment.

Methods and material for containment and cleaning up
For containment: Do not allow minor leaks or spills to accumulate on walking surfaces. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods of cleaning up: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Impound and recover large spill by mixing it with inert granular solids.

Reference to other sections
Section 7: safe handling
Section 8: personal protective equipment
Section 13: disposal information

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling: Avoid eye contact with skin and eyes. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking when leaving work.

Hygiene measures: Always wash your hands immediately after handling this product, and once again before leaving the workplace.
Conditions for safe storage, including any incompatibilities

Storage conditions: Store in original container. Keep container tightly closed.
Incompatible materials: Strong oxidizers.

Specific end use(s)
Release agent

SECTION 8: Exposure controls/personal protection

Control parameters

<table>
<thead>
<tr>
<th>Secondary alcohol ethoxylate, (CAS No) 84133-50-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
<tr>
<td>OSHA</td>
</tr>
</tbody>
</table>

Exposure controls

Appropriate engineering controls: Avoid splashing. Either local exhaust or general room ventilation is usually required.

Hand protection: It is a good industrial hygiene practice to minimize skin contact. In case of repeated or prolonged contact wear waterproof gloves.

Eye protection: Safety glasses. Use splash goggles when eye contact due to splashing is possible

Skin and body protection: Wear suitable protecting clothing

Respiratory protection: May be irritating to the respiratory system. In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

Information on the basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White liquid</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>8</td>
</tr>
<tr>
<td>Melting point</td>
<td>32°F</td>
</tr>
<tr>
<td>Freezing point</td>
<td>32°F</td>
</tr>
<tr>
<td>Boiling point</td>
<td>212°F</td>
</tr>
<tr>
<td>Flash point</td>
<td>None to boiling</td>
</tr>
<tr>
<td>Relative evaporation rate (water=1)</td>
<td>1</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Product is not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No oxidizing properties</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.99</td>
</tr>
<tr>
<td>Relative vapor density at 20°C</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>&lt;200 cPs</td>
</tr>
</tbody>
</table>
Other information
No additional information available

SECTION 10: Stability and reactivity

Reactivity
Normally stable, even under fire exposure conditions, and not reactive with water.

Chemical stability
Stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization will not occur.

Conditions to avoid
Avoid contact with incompatible materials, excessive heat or cold.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Thermal decomposition generates; Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

Information on toxicological effects

Likely routes of exposure : Dermal, Inhalation
Acute toxicity : Not classified. (Based on available data, the classification criteria are not met)

<table>
<thead>
<tr>
<th>Secondary alcohol ethoxylate, (CAS No) 84133-50-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified. (Based on available data, the classification criteria are not met)
Serious eye damage/irritation : Not classified. (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization : May cause an allergic skin reaction
Germ cell mutagenicity : Not classified. (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified. (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified. (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure) : Not classified (Based on available data, the classification criteria are not met)

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NOAEL (oral, rat, 90 days) : No data available

Aspiration hazard : Not classified. (Based on available data, the classification criteria are not met)
Symptoms/injuries after inhalation: May cause respiratory irritation
Symptoms/injuries after skin contact: May cause an allergic reaction

SECTION 12: Ecological information

Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secondary alcohol ethoxylate, (CAS No) 84133-50-6</td>
<td>Yes data available</td>
</tr>
</tbody>
</table>

Persistence and degradability

<table>
<thead>
<tr>
<th>FGSE35-2017</th>
<th>Persistance and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary alcohol ethoxylate, (CAS No) 84133-50-6</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Bioaccumulative potential

<table>
<thead>
<tr>
<th>FGSE35-2017</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Kow</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Secondary alcohol ethoxylate, (CAS No) 84133-50-6</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not expected to bioaccumulate</td>
</tr>
</tbody>
</table>

Mobility in soil

No additional information available

Other adverse effects

Effect on ozone layer: None known
Effect on global warming: None known

SECTION 13: Disposal considerations

Waste treatment methods

Regional legislation (waste): Disposal must be done according to official regulations.
Sewage disposal recommendations: Do not dispose of waste into sewer.
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not considered a dangerous good for transport regulations

Additional information

ADR
No additional information
Transport by sea
No additional information
Air transport
No additional information available
SECTION 15: Regulatory information

U.S. Federal regulations

<table>
<thead>
<tr>
<th>Secondary alcohol ethoxylate, (CAS No) 84133-50-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the United States TSCA (Toxic Substances Control Act) Inventory</td>
</tr>
<tr>
<td>EPA TSCA Regulatory Flag</td>
</tr>
</tbody>
</table>

International regulations

CANADA

<table>
<thead>
<tr>
<th>FGSE35-2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Classification</td>
</tr>
</tbody>
</table>

EU-Regulations

Classification according to Regulation (EC) No. 1272/2007 (CLP)
Eye Irritation H319
Full text of H-phrases: see section 16

National regulations
No additional information available

US State regulations
No included in State Right-to-Know Hazardous Chemical Lists

SECTION 16: Other information

Indication of changes: Original document
Abbreviations and acronyms: ACGIH (American Conference of Governmental Industrial Hygienists) CAS: (Chemical Abstracts Service) number GHS: (Global Harmonized System (of Classification and Labeling of Chemicals OSHA: Occupational Safety & Health Administration TSCA: Toxic Substances Control Act.

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Eye Irr. 2A</th>
<th>Serious eye damage/eye irritation Category 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
</tbody>
</table>
NFPA health hazard: 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard: 1 - Materials will burn once water is gone.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

Further Information
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.