



## Section 1. Identification

### 1.1. Product identifier

<b>Product Identity</b>	APG HG 0814 R37
<b>Alternate Names</b>	Alkylpolyglucoside

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

<b>Intended use</b>	Chemical
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### 1.3. Details of the supplier of the safety data sheet

<b>Company Name</b>	Silver Fern Chemical, Inc. 2226 Queen Anne Avenue North Seattle, WA 98109 USA Customer Service: 1-866-282-3384 / info@silverfernchemical.com Website - www.silverfernchemical.com
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<b>Emergency 24 hour Emergency Telephone No.</b>	Emergency telephone number Infotrac: 1-800-535-5053; Outside USA & Canada +1- 352-323-3500
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## Section 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Skin Irrit. 2;H315	Causes skin irritation.
Eye Dam. 1;H318	Causes serious eye damage.



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## 2.2. Label elements



**Danger**

H315 Causes skin irritation.

H318 Causes serious eye damage.

### **[Prevention]**

P264 Wash thoroughly after handling.

P280 Wear protective gloves, eye protection, and face protection.

### **[Response]**

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER, doctor or physician.

P321 Specific treatment (see information on this label).

P332+313 If skin irritation occurs: Get medical attention.

P362 Take off contaminated clothing and wash before reuse.

### **[Storage]**

No GHS storage statements

### **[Disposal]**

No GHS disposal statements



### Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
D-glucopyranose, oligomeric c10-c16 - alkyl glycosides CAS Number: 0110615-47-9	>= 30.0 - < 50.0%	Skin Irrit. 2;H315 Eye Dam. 1;H318	----
D-glucopyranose, oligomeric, decyl octyl glycosides CAS Number: 0068515-73-1	>= 10.0 - < 20.0%	Eye Dam. 1;H318	----

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.  
\*PBT/vPvB - PBT-substance or vPvB-substance.  
The full texts of the phrases are shown in Section 16.

### Section 4. First aid measures

#### 4.1. Description of first aid measures

- General** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
- Eyes** Rinse with plenty of clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
- Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
- Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Overview** No specific symptom data available.  
Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details.

- Eyes** Causes serious eye damage.
- Skin** Causes skin irritation.



## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Unsuitable extinguishing media: Do not use; water jet.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

### 5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

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## Section 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).  
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

### 6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.



## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.  
Check section 2.2 (GHS Label Elements) for further details. - [Prevention]

### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.  
Check section 2.2 (GHS Label Elements) for further details. - [Storage]

### 7.3. Specific end use(s)

No available information

## Section 8. Exposure controls / personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0068515-73-1	D-glucopyranose, oligomeric, decyl octyl glycosides	OSHA	No Established Limit
ACGIH	No Established Limit		
NIOSH	No Established Limit		
0110615-47-9	D-glucopyranose, oligomeric c10-c16 - alkyl glycosides	OSHA	No Established Limit
ACGIH	No Established Limit		
NIOSH	No Established Limit		

### 8.2. Exposure controls

- Respiratory** Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.
- Eyes** Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.
- Skin** Chemical resistant clothing such as coveralls/apron and boots should be worn. Chemical impervious gloves required.
- Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general



extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Yellowish Liquid
<b>Odor</b>	Almost odorless
<b>Odor threshold</b>	No available information
<b>pH</b>	11.5 - 12.5 ( 20 °C)
<b>Melting point / freezing point</b>	No available information
<b>Initial boiling point and boiling range</b>	No available information
<b>Flash Point</b>	> 101 °C Aqueous preparation
<b>Evaporation rate (Ether = 1)</b>	Value can be approximated from Henry's Law Constant or vapor pressure.
<b>Flammability (solid, gas)</b>	not flammable
<b>Flammability of Aerosol</b>	not applicable, the product does not form flammable aerosoles
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> For liquids not relevant for classification and labelling. <b>Upper Explosive Limit:</b> For liquids not relevant for classification and labelling.
<b>Vapor pressure (Pa)</b>	No available information
<b>Vapor Density</b>	No available information
<b>Relative Density</b>	1.1 g/cm <sup>3</sup> ( 25 °C)
<b>Solubility in Water</b>	Soluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	No available information
<b>Auto-ignition temperature</b>	No available information
<b>Decomposition temperature</b>	No available information
<b>Viscosity (cSt)</b>	2500 - 6000 mpa*s (20 °C)
<b>VOC Content</b>	
<b>Oxidising properties</b>	No available information



**Explosive properties** No available information  
**Thermal decomposition** No decomposition if stored and handled as prescribed/indicated.  
**Solubility (qualitative):** soluble solvent(s): distilled water

**9.2. Other information**  
No other relevant information.

## Section 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No available information

### 10.4. Conditions to avoid

Avoid high temperatures and contact with incompatible material

### 10.5. Incompatible materials

Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

### 10.6. Hazardous decomposition products

No hazardous decomposition data available.

## Section 11. Toxicological information

### Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
D-glucopyranose, oligomeric c10-c16 - alkyl glycosides - (110615-47-9)	> 5,000.00, Rat - Category: NA	> 2,000.00, Rabbit - Category: NA	No data available.	No data available.	No data available.
D-glucopyranose, oligomeric, decyl octyl glycosides - (68515-73-1)					



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Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
	>2,000.00, Rat - Category: 5	>2,000.00, Rabbit - Category: 5	No data available.	No data available.	No data available.

**Carcinogen Data**

CAS No.	Ingredient	Source	Value
0068515-73-1	D-glucopyranose, oligomeric, decyl octyl glycosides	OSHA	Regulated Carcinogen: No;
NTP	Known: No; Suspected: No;		
IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;		
ACGIH	No Established Limit		
0110615-47-9	D-glucopyranose, oligomeric c10-c16 - alkyl glycosides	OSHA	Regulated Carcinogen: No;
NTP	Known: No; Suspected: No;		
IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;		
ACGIH	No Established Limit		

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

**Section 12. Ecological information**

**12.1. Toxicity**

No additional information provided for this product. See Section 3 for chemical specific





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data.

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
D-glucopyranose, oligomeric c10-c16 - alkyl glycosides - (110615-47-9)	2.95, Brachydanio rerio	7.00, Daphnia magna	12.50, Scenedesmus subspicatus
D-glucopyranose, oligomeric, decyl octyl glycosides - (68515-73-1)	541.82, Scophthalmus maximus	101.00, Daphnia magna	27.22, Desmodesmus subspicatus

**12.2. Persistence and degradability**

There is no data available on the preparation itself.

**12.3. Bioaccumulative potential**

No available information

**12.4. Mobility in soil**

No available information

**12.5. Results of PBT and vPvB assessment**

This product contains no PBT/vPvB chemicals.

**12.6. Other adverse effects**

No available information

**Section 13. Disposal considerations**

**13.1. Waste treatment methods**

Observe all federal, state and local regulations when disposing of this substance.

**Section 14. Transport information**

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable <b>Sub Class:</b> Not



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**14.4. Packing group**      Not Applicable      Not Applicable      Applicable  
Not Applicable

**14.5. Environmental hazards**

Marine Pollutant: No;

**14.6. Special precautions for user**

No available information

**Section 15. Regulatory information**

**Regulatory Overview**      The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Inventory - United States - Section 8(b) Inventory (TSCA):**

D-glucopyranose, oligomeric c10-c16 - alkyl glycosides      (EPA TSCA Regulatory Flag:N; P Commercial Status Designation: ACTIVE UVCB Flag: UVCB)

D-glucopyranose, oligomeric, decyl octyl glycosides      ( Commercial Status Designation: ACTIVE UVCB Flag: UVCB)

The following flags are used:

- Active - indicates commercial status designation of active
- E - indicates a substance that is the subject of a Section 5(e) Consent Order under TSCA.
- F - indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
- N - indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
- P - indicates a commenced Premanufacture Notice (PMN) substance.
- R - indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
- S - indicates a substance that is identified in a final Significant New Uses Rule.
- SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
- T - indicates a substance that is the subject of a final Section 4 test rule under TSCA.
- UVCB Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials
- XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).



- Y1 - indicates a polymer that has a number-average molecular weight greater than 1,000 and that was exempt under the 1984 polymer exemption rule.
- Y2 - indicates a polymer that is a polyester and that was exempt under the 1984 polymer exemption rule.

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**Mass RTK Substances (>1%) :**

**New Jersey RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Pennsylvania RTK Substances (>1%) :**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



**OSHA Process Safety Management Standard Highly Hazardous Chemicals, Toxics and Reactives:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**US EPA List of Regulated Substances under the Risk Management Plan (RMP) Program:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**US EPA Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) under the Minimum Risk Exemption:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**U.S. - DEA List II or Essential Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**U.S. - DEA - Exempt Chemical Mixtures - List 1 and 2:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**US DHS Chemical Facility Anti-Terrorism Standards (CFATS):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Section 16. Other information**

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**DISCLAIMER OF RESPONSIBILITY**

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume damage or expense arising out of or in any way responsibility and expressly disclaim liability for loss, connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be



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applicable.

The full text of the phrases appearing in section 3 is:

H315 Causes skin irritation.

H318 Causes serious eye damage.

**End of Document**

Approved – TL 1-15-24