

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

### 1.1 Product identifier

Product name:	Alkyl Polyglucoside 0814
Synonyms:	APG0814;
Cat. No.:	T2005-085
CAS No.:	68515-73-1 & 110615-47-9 or 141464-42-8
EC No.:	--

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

Identified uses:	Laboratory chemicals, manufacture of substances.
Uses advised against:	No uses advised against.

### 1.3 Details of the supplier of the SDS

Manufacturer:	Hefei TNJ Chemical Industry Co.,Ltd.
Address:	D1508 Xincheng Center, Qianshan Road, Zhengwu District,Hefei, Anhui 230022 China
E-mail:	sales@tnjchem.com
Telephone:	+ 86 551 65418684
Fax:	+ 86 551 65418697

### 1.4 Emergency telephone number

In China: + 86 551 65418684 (Monday to Friday, 8:30a.m. to 5:30p.m.,Beijing Time)

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

#### Classification of the product

Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	3	Hazardous to the aquatic environment - acute

### 2.2 GHS Label elements, including precautionary statements

Hazard pictogram(s):



**Signal word:**

Danger

**Hazard Statements:**

Hazard Statement:

H318 Causes serious eye damage.

H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P280 Wear eye/face protection.

P273 Avoid release to the environment.

Precautionary Statements (Response):

P305 + P351 + P338 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 or doctor/physician.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

**2.3 Other hazards**

No specific dangers known, if the regulations/notes for storage and handling are considered.

**Section 3: Composition/information on ingredients**

**3.1 Component information**

CAS No.	Ingredients	Content (%)
110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	>= 10.0 - < 25.0%
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	>= 25.0 - < 45.0%

**Section 4: First aid measures**

**4.1 Description of first aid measures**

**If inhaled:**

Remove victim to fresh air and away from exposure immediately. If breathing has stopped, administer artificial respiration. Immediate medical attention required.

**If on skin:**

After contact with skin, wash immediately with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Immediate medical attention required.

**If in eyes:**

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. Immediate medical attention required.

**If swallowed:**

Call a poison control center or physician for treatment advice. Do not induce vomiting due to aspiration hazard.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Hazards: No hazard is expected under intended use and appropriate handling.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### Note to physician

Treatment: Treat symptomatically.

## **Section 5: Fire-fighting measures**

### **Extinguishing media**

Suitable extinguishing media:

water spray, carbon dioxide, dry powder, foam

### **Special hazards arising from the substance or mixture**

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### **Advice for fire-fighters**

Protective equipment for fire-fighting:

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**

### Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

### **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 absorbent material.

For large amounts: Dike spillage. Pump off product.

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:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

### Conditions for safe storage, including any incompatibilities

No applicable information available.

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Store protected against freezing.

## Section 8 : Exposure controls/personal protection

No occupational exposure limits known.

### Advice on system design:

No special precautions necessary.

### Personal protective equipment

#### Respiratory protection:

Not applicable with adequate ventilation. Wear a NIOSH-certified (or equivalent) respirator as necessary. Follow manufacturer's recommendations.

#### Hand protection:

Plastic gloves, Rubber gloves

#### Eye protection:

Tightly fitting safety goggles (splash 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:	liquid
Odor:	almost odourless
Odor threshold:	not applicable
Color:	yellowish

pH value:	7 - 9.5( 20 °C)
Melting point:	not applicable
Boiling point:	No data available.
Sublimation point:	No applicable information available.
Flash point:	> 101 °C
Flammability:	Aqueous preparation not flammable
Flammability of Aerosol	not applicable, the product does not
Products:	form flammable aerosoles
Lower explosion limit:	For liquids not relevant for classification and labelling.
Upper explosion limit:	For liquids not relevant for classification and labelling.
Autoignition:	not determined
Vapor pressure:	not determined
Density:	1.1 g/cm <sup>3</sup> ( 20 °C)
Vapor density:	not applicable
Self-ignition temperature:	not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	not determined
Viscosity, kinematic:	not determined
Solubility in water:	soluble
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	soluble
Evaporation rate:	solvent(s): distilled water, Value can be approximated from Henry's Law Constant or vapor pressure.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section. No further information available.

## Section 10: Stability and reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

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 strong acids.

**Conditions to avoid**

See MSDS section 7 - Handling and storage.

**Incompatible materials**

No substances known that should be avoided.

**Hazardous decomposition products**

Decomposition products:

No hazardous decomposition products known.

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 skin contact.

Virtually nontoxic after a single ingestion.

Oral

Type of value: LD50

Value: > 2,000 mg/kg

Inhalation

No applicable information available.

Dermal

Type of value: LD50

Value: > 2,000 mg/kg (OECD Guideline 402)

Assessment other acute effects

Assessment of STOT single:

Based on available Data, the classification criteria are not met.

Irritation / corrosion

Assessment of irritating effects: May cause severe damage to the eyes.

Not irritating to the skin.

*Information on: D-Glucopyranose, oligomeric, C8-16-alkyl glycosides*

*Assessment of irritating effects: Risk of serious damage to eyes. Skin contact causes irritation.*

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Eye

*Information on: D-Glucopyranose, oligomers, decyl octyl glycosides*

*Species: rabbit*

*Result: Risk of serious damage to eyes.*

*Method: OECD Guideline 405*

*Data of a comparable product*

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Sensitization

Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

Aspiration Hazard

No aspiration hazard expected.

**Chronic Toxicity/Effects**

Repeated dose toxicity

Assessment of repeated dose toxicity: The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

Teratogenicity

Assessment of teratogenicity: No data was available concerning toxicity to development.

Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

**Symptoms of Exposure**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

## Section 12: Ecological information

**Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish

LC50 > 10 - 100 mg/l

Aquatic toxicity

*Information on: D-Glucopyranose, oligomers, decyl octyl glycosides*

*Assessment of aquatic toxicity:*

*Acutely harmful for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.*

*Toxic to aquatic organisms based on long-term (chronic) toxicity study data.*

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**Microorganisms/Effect on activated sludge**

Toxicity to microorganisms

EC0: > 100 mg/l

**Persistence and degradability**Assessment biodegradation and elimination (H<sub>2</sub>O)

Readily biodegradable (according to OECD criteria).

**Bioaccumulative potential**Assessment bioaccumulation potential

No data available.

**Mobility in soil**Assessment transport between environmental compartments

not applicable

**Section 13: Disposal considerations****Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**Section 14: Transport information****Land transport**

USDOT      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 released / listed

**NFPA Hazard codes:**

Health : 3

Fire: 1

Reactivity: 0

Special:

**Section 16: Other information**

None

Declare to reader

The information in this Safety Data Sheet (SDS) was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume



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