

**Safety Data Sheet**  
**According to Regulation (EC) No. 1907/2006, Annex II,**  
**Amended by REGULATION (EU) No 453/2010,**

**Alkyl Polyglycosides (APG)**

**SDS Record Number: CSSS-TCO-010-111266**

Printing date: 29/03/2012

Version 1.1

Revision date: 29/03/2012

**1 Identification of the substance and of the company/undertaking**

**1.1 Product identifier:**

Identification on the label/Trade name: Alkyl Polyglycosides (APG)  
Additional identification: Not available  
Identification of the product: see section 3  
Index Number: Not available  
REACH registration No.: Not available

**1.2 Relevant identified uses of the substance and uses advised against:**

**1.2.1 Identified uses:**

Detergents.

**1.2.2 Uses advised against:**

Not available.

**1.3 Details of the supplier of the safety data sheet:**

Supplier(Only representative): Chemical Inspection & Regulation Service Limited  
Supplier(Manufacturer): Yangzhou Chenhua Science & Technology Group Co., Ltd.  
Address: 231 Zhenzhong Road, Caodian Town, Baoying County, Jiangsu Province, China  
Contact person(E-mail): -  
Telephone: +86-514-88622159  
Fax: +86-514-88621598

**1.4 Emergency telephone Number:**

+353 41 980 6916

Available outside office hours?

YES

NO

**2 Hazards Identification**

**2.1 Classification of the mixture**

**2.1.1 Classification:**

The mixture is classified as following according to 1999/45/EC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Eye Dam. 1	H318

For full text of H- phrases: see section 2.2.

1999/45/EC	
Hazards characteristics	R-Phrases
Xi	R41

For full text of R- phrases: see section 16.

**2.1.2 The most important adverse effects**

**2.1.2.1 The most important adverse physicochemical effects:**

Not applicable.

**2.1.2.2 The most important adverse human health effects:**

Causes serious eye damage.

**2.1.2.3 The most important adverse environmental effects:**

Not applicable.

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**2.2 label elements**

**Hazard Pictograms:**



**Signal Word(S):**

Danger

**Hazard Statement:**

H318: Causes serious eye damage

**Precautionary Statement:**

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

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.

**2.3 Other hazards**

Not available (PBT,vPvB, Substance is an endocrine disruptor etc.)

**3 Composition/information on ingredients**

**Substance/Mixture:**      Mixtures

**Ingredient(s):**

Chemical Name	Registration No.	Index No.	CAS No.	EC No.	Concentration	Classification according to EU CLP 1272/2008
D-Glucopyranose, oligomers, decyl octyl glycosides	N/A	N/A	68515-73-1	500-220-1	48-72%	Eye Dam. 1; H318
Water	N/A	N/A	7732-18-5	231-791-2	28-52%	N/A
Chemical Name	Registration No.	Index No.	CAS No.	EC No.	Concentration	Classification according to 67/548/EEC
D-Glucopyranose, oligomers, decyl octyl glycosides	N/A	N/A	68515-73-1	500-220-1	48-72%	Xi; R41
Water	N/A	N/A	7732-18-5	231-791-2	28-52%	N/A

**4 First aid measures**

**4.1 Description of first aid measures:**

In all cases of doubt, or when symptoms persist, seek medical attention.

**4.1.1 In case of inhalation:**

Not relevant.

**4.1.2 In case of skin contact:**

Rinse with running water, get medical aid.

**4.1.3 In case of eyes contact:**

Rinse immediately with plenty of running water (for 10 minutes), seek medical advice from a specialist.

**4.1.4 In case of ingestion:**

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Rinse the mouth. Drink 1-2 glasses of water, get medical aid.

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

Causes serious eye damage.

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

If skin irritation or rash occurs, get medical advice/attention.

**5 Fire-Fighting measures**

**5.1 Extinguishing media:**

**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical powder or appropriate foam.

**Unsuitable extinguishing media:** Not available.

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

Combustion Produce: Carbon monoxide, carbon dioxide.

**5.3 Advice for fire-fighters:**

Wear self-contained breathing apparatus (positive pressure, if available) and full protective clothing.

**6 Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

**6.1.1 For non-emergency personnel:**

Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

**6.1.2 For emergency responders:**

Wear an appropriate NIOSH/MSHA approved respirator if mist, vapor or dust is generated.

**6.2 Environmental Precautions:**

Do not allow material to be released to the environment without proper governmental permits

**6.3 Methods for Containment and Cleaning up:**

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

**6.4 Reference to other sections:**

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

**6.5 Additional information:**

Don't use a brush or compressed air for cleaning surfaces or clothing.

Clear spills immediately.

**7 Handling and storage**

**7.1 Precautions for safe handling:**

**7.1.1 Protective measures:**

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**7.1.2 Advice on general occupational hygiene:**

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2 Conditions for safe storage, including any incompatibilities:**

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Version 1.1

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Keep container tightly closed. Store in a cool and dry place.

**7.3 Specific end use(s):**

Not applicable.

**8 Exposure control/personal protection**

**8.1 Control parameters:**

**8.1.1 Occupational exposure limits:** Not available.

**8.1.2 Additional exposure limits under the conditions of use:** Not available.

**8.1.3 DNEL/DMEL and PNEC-Values:** Not available.

**8.2 Exposure controls**

**8.2.1 Appropriate engineering controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**8.2.2 Individual protection measures, such as personal protective equipment:**

Eye/face protection            Protective goggles.

Hand protection                Suitable are protective gloves with the following specification. The recommendation is valid for laboratory conditions, specific workplace conditions must be taken into consideration separately.  
Nitrile / 0,1 mm / Level 3 > 60 min.

Body protection                Wear suitable protective clothing to prevent skin exposure.

Respiratory protection        Wear suitable respiratory equipment.

Thermal hazards                Wear suitable protective clothing to prevent heat.

**8.2.3 Environmental exposure controls:**

Avoid discharge into the environment.

According to local regulations, Federal and official regulations.

**9 Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance:	Viscous liquid
Colour:	pale yellow
Odour:	weak odor
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	Not available
Boiling point/range (°C) :	Not available
Flash point (°C) :	>70°C (closed up)
Evaporation rate:	Not available
Flammability (solid, gas);	Not applicable.
Ignition temperature (°C) :	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C) :	Not available
Vapour density:	Not available
Relative Density (25°C):	Not available
Bulk density (kg/m <sup>3</sup> ) :	Not available
Water solubility (g/l) at 20°C :	Not available
n-Octanol/Water (log Po/w) :	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa s) :	Not available
Explosive properties:	Not available

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Oxidising properties: Not available

**9.2. Other information:**

Fat solubility(solvent– oil to be specified) etc: Not available

Surface tension: Not available

Dissociation constant in water( pKa): Not available

Oxidation-reduction Potential: Not available

Specific gravity: Not available

**10 Stability and reactivity**

**10.1 Reactivity:**

The substance is stable under normal storage and handling conditions.

**10.2 Chemical stability:**

Stable at room temperature in closed containers under normal storage and handling conditions.

**10.3 Possibility of hazardous reactions:**

No dangerous reactions known.

**10.4 Conditions to avoid:**

Incompatible materials. Protect from moisture.

**10.5 Incompatible materials:**

Oxidants.

**10.6 Hazardous decomposition products:**

Carbon monoxide, carbon dioxide.

**11 Toxicological information**

**11.1 Toxicokinetics, metabolism and distribution**

**Non-human toxicological data:** Not available

**11.2 Information on toxicological effects**

**Acute toxicity:**

LD50( Oral, Rat): > 2000 mg/kg bw

LD50(Dermal Rabbit): > 2000 mg/kg bw

LC50(Inhalation, Rat): Not available

**Skin corrosion/Irritation:** Not classified

**Serious eye damage/irritation:** Causes serious eye damage

**Respiratory or skin sensitization:** Not classified

**Germ cell mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive toxicity:** Not classified

**STOT- single exposure:** Not classified

**STOT-repeated exposure:** Not classified

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**Aspiration hazard:** Not classified

**12 Ecological information**

**Toxicity:**

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	126 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	> 100 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

**Persistence and degradability:** Readily biodegradable  
**Bioaccumulative potential:** No data available.  
**Mobility in soil:** Not available.  
**Results of PBT&vPvB assessment:** Not applicable.  
**Other adverse effects:** Do not empty into drains.

**13 Disposal considerations**

**13.1 Waste treatment methods**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**13.2 Product / Packaging disposal:**

If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

**14 Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
<b>UN-Number:</b>	Not regulated	Not regulated	Not regulated
<b>UN Proper shipping name:</b>	Not regulated	Not regulated	Not regulated
<b>Transport hazard Class:</b>	Not regulated	Not regulated	Not regulated
<b>Packaging group:</b>	Not regulated	Not regulated	Not regulated
<b>Environmental hazards:</b>	Not regulated	Not regulated	Not regulated
<b>Special precautions for user:</b>	See section 2.2	See section 2.2	See section 2.2
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not regulated	Not regulated	Not regulated

**15 Regulation information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Relevant information regarding authorization:** Not applicable.  
**Relevant information regarding restriction:** Not applicable.  
**Other EU regulations:** Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.  
**Other National regulations:** Not applicable  
**Chemical Safety Assessment has been carried out?** YES  NO

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**16 Other information**

**16.1 Indication of changes**      Version 1.1    Amended by EU No 453/2010

**16.2 Relevant R- phrases (number and full text):**

R41 Risk of serious damage to the eyes.

**16.3 Training instructions:**

Not applicable.

**16.4 Further information:**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**16.5 Notice to reader:**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.