

SDS Report

No. SHAEC1416426601

Date: Sep. 5, 2014

Page 1 of 1

LUMI LEGEND CORPORATION

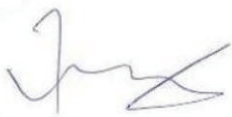
22/F., Building 1, Lisi Plaza, Huifeng East Road, Ningbo, China 315100

SGS Ref. No. : SP14-026604-SH
 Sample Name : Liquid solution for screen cleaner kit
 End Uses : For screen cleaning & camera
 Composition/Ingredient of sample (as per client submission) : See *Section 3 Composition/information on ingredients* on the SDS report
 Job Receiving Date : Aug.27, 2014
 Last Information Date : Sep.03, 2014
 SDS Preparation Period : Aug.27 - Sep.04, 2014

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives 67/548/EEC, 1999/45/EC, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 453/2010, and is provided per attached.

Signed for and on behalf of
 SGS-CSTC Ltd.



Terry Wang
 Approved Signatory



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Safety data sheet

Regulation(EC) No. 1907/2006, 1272/2008

Printing date 04.09.2014

Revision: 04.09.2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Liquid solution for screen cleaner kit
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** For screen cleaning & camera
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
LUMI LEGEND CORPORATION
22/F., Building 1, Lisi Plaza, Huifeng East Road, Ningbo, China 315100
Tel: 0574-27956521
E-mail: cnd@lumi.cn
- **Only Representative / other EU contact point**
Do not plan to export to European Union. European Union Member State contact not available.
- **Further information obtainable from:** LUMI LEGEND CORPORATION
- **1.4 Emergency telephone number:**
PULI QUAN
Tel: 13967819804
- **1.5 Reference number:** SP14-026604-SH;SHAEC1416426601

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product is not classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008.
- **Classification system:**
The classification is according to the latest edition of the Directives 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Not applicable
- **Hazard pictograms** Not applicable
- **Signal word** Not applicable
- **Hazard-determining components of labelling:** Not applicable
- **Hazard statements** Not applicable
- **Precautionary statements** Not applicable
- **Additional information:**
Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed risk phrases refer to section 16.

(Contd. on page 2)

EU

Safety data sheet

Regulation(EC) No. 1907/2006, 1272/2008

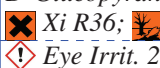
Printing date 04.09.2014

Revision: 04.09.2014

Trade name: Liquid solution for screen cleaner kit

(Contd. of page 1)

· Dangerous components:

CAS: 68515-73-1 NLP: 500-220-1	D-Glucopyranose, oligomers, decyl octyl glycosides  Eye Irrit. 2, H319; Aquatic Chronic 4, H413	1,0%
CAS: 102-71-6 EINECS: 203-049-8	2,2',2"-nitrilotriethanol substance with a Community workplace exposure limit	0,4%
CAS: 99-76-3 EINECS: 202-785-7	methyl 4-hydroxybenzoate Aquatic Chronic 3, H412	0,1%

· Non-dangerous component:

CAS: 7732-18-5 EINECS: 231-791-2	water	98,42%
CAS: 9007-20-9	Carboxypolymethylene	0,08%

· Remark:

Classification information of Carboxypolymethylene (CAS No.9007-20-9) is provided by the formulation owner.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· After inhalation: Supply fresh air; consult doctor in case of complaints.

· After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth with water.

If symptoms persist consult doctor.

Never give anything by mouth to an unconscious person.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.**· 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media**· Suitable extinguishing agents:**

CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 5.2 Special hazards arising from the substance or mixture No further relevant information available.**· 5.3 Advice for firefighters****· Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with skin and eyes.

(Contd. on page 3)

Safety data sheet

Regulation(EC) No. 1907/2006, 1272/2008

Printing date 04.09.2014

Revision: 04.09.2014

Trade name: Liquid solution for screen cleaner kit

(Contd. of page 2)

- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **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 disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Avoid contact with skin and eyes.
- **Information about fire - and explosion protection:** Normal measures for preventive fire protection.
- **7.2 Conditions for safe storage, including any incompatibilities:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in a cool, dry and well-ventilated area.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

102-71-6 2,2',2''-nitrioltriethanol (0,4%)
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MAK (Germany)	Long-term value: 5E mg/m ³
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- **DNELs:** Not applicable
- **PNECs:** Not applicable
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Based on composition shown in Section 3, the following measures are suggested for occupational safety measure:**
- **Appropriate engineering controls:** See Section 7 for information about design of technical facilities.
- **Personal protective equipment:**
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the

(Contd. on page 4)

Safety data sheet

Regulation(EC) No. 1907/2006, 1272/2008

Printing date 04.09.2014

Revision: 04.09.2014

Trade name: Liquid solution for screen cleaner kit

(Contd. of page 3)

resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

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

· **Appearance:**

Form: Liquid

Colour: Colourless

· **Odour:** Odourless

· **Odour threshold:** Data not available.

· **pH-value:** Data not available.

· **Change in condition**

Melting point/Melting range: Data not available.

Boiling point/Boiling range: Data not available

· **Freezing point:** Data not available

· **Flash point:** Data not available

· **Flammability (solid, gaseous):** Not applicable

· **Auto-Ignition temperature:** Data not available

· **Decomposition temperature:** Date not available.

· **Self-igniting:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Data not available.

Upper: Data not available.

· **Oxidizing properties** Data not available.

· **Vapour pressure:** Data not available.

· **Density:** Data not available.

· **Relative density** Data not available.

· **Vapour density** Data not available.

· **Evaporation rate** Data not available.

· **Solubility in / Miscibility with water:**

Data not available

· **Partition coefficient (n-octanol/water):** Data not available.

· **Viscosity:**

Dynamic: Data not available.

Kinematic: Data not available.

(Contd. on page 5)

Safety data sheet

Regulation(EC) No. 1907/2006, 1272/2008

Printing date 04.09.2014

Revision: 04.09.2014

Trade name: Liquid solution for screen cleaner kit

(Contd. of page 4)

· 9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specification.
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity:

· LD/LC50 values relevant for classification:

102-71-6 2,2',2''-nitrioltriethanol

Oral	LD50	5846 mg/kg (mouse)
		5530 mg/kg (rat)
		2200 mg/kg (rabbit)
Dermal	LD50	>22500 mg/kg (rabbit)

99-76-3 methyl 4-hydroxybenzoate

Oral	LD50	> 8000 mg/kg (mouse)
		6000 mg/kg (rabbit)

· **Primary irritant effect:**· **on the skin:** Irritating effect possible.· **on the eye:** Irritating effect possible.· **Sensitization:** Sensitization possible.· **Additional toxicological information:**

The product is not subjected to classification according to the calculation method based on the EU Directives 67/548/EEC, 1999/45/EC and Regulation 1272/2008/EC.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

· **Toxicokinetics, metabolism and distribution** Data not available· **Acute effects (acute toxicity, irritation and corrosivity)** Data not available· **Repeated dose toxicity** Data not available· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** Data not available**SECTION 12: Ecological information**

· 12.1 Toxicity

· **Aquatic toxicity:** No further relevant information available.· **12.2 Persistence and degradability** No further relevant information available.· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

(Contd. on page 6)

Safety data sheet
Regulation(EC) No. 1907/2006, 1272/2008

Printing date 04.09.2014

Revision: 04.09.2014

Trade name: Liquid solution for screen cleaner kit

(Contd. of page 5)

- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:**
- **General notes:**
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number | |
| · ADR, IMDG, IATA | Not applicable |
| · 14.2 UN proper shipping name | |
| · ADR, IMDG, IATA | Not applicable |
| · 14.3 Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
| · Class | Not applicable |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Not applicable |
| · 14.5 Environmental hazards | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **MAK (German Maximum Workplace Concentration)**
 None of the ingredients is listed.
- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (16/6/2014)**
 None of the ingredients is listed.
- **REACH Regulation Annex XVII Restriction (8/5/2014)**
 None of the ingredients is listed.

(Contd. on page 7)

Safety data sheet

Regulation(EC) No. 1907/2006, 1272/2008

Printing date 04.09.2014

Revision: 04.09.2014

Trade name: Liquid solution for screen cleaner kit

(Contd. of page 6)

· **REACH Regulation Annex XIV Authorization List (14/8/2014)**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· **Relevant phrases**

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

R36 Irritating to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The contents and format of this SDS are in accordance with REGULATION (EC) No 1272/2008, REGULATION (EC) No 1907/2006, Regulation (EU) No 453/2010 and EU Commission Directive 1999/45/EC, 67/548/EEC.

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· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

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