

SDS ReportNo. **SHAEC1323511601**

Date: Dec. 10, 2013

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SHANGHAI JIEYONG TECHNOLOGY CO.,LTD
NO.77HUIPING ROAD, NANXIANG HIGH TECH DEVELOPMENT AREA, SHANGHAI, CHINA

SGS Ref. No. : SP13034703-SH
Sample Name : Camera lens/ sensor cleaning fluid
End Uses : Clean the lens and sensor of digital camera/DSLR/ILDC
Composition/Ingredient of sample (as per client submission) : See *Section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : Nov 29, 2013
Last Information Date : Dec 05, 2013
SDS Preparation Period : Nov 29-Dec 09, 2013

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 Chemical Laboratory



Lindy Liu
Lab Manager

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

Printing date 05.12.2013

Revision: 05.12.2013

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

- **Product identifier**
- **Trade name:** Camera lens/ sensor cleaning fluid
- **Registration number:** *Data not available*
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance/ the preparation:** *Clean the lens and sensor of digital camera/DSLR/ILDC*

- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 SHANGHAI JIEYONG TECHNOLOGY CO.,LTD
 NO.77HUIPING ROAD, NANXIANG HIGH TECH DEVELOPMENT AREA, SHANGHAI, CHINA
 Tel: 021-39927791
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- **Only Representative / other EU contact point**
 Nordic Camera Company
 Skindergade 41. 1159 Copenhagen K , Denmark
 Tel: 45-3314-1215
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- **Further information obtainable from:** SHANGHAI JIEYONG TECHNOLOGY CO.,LTD
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- **Reference number:** SP13034703-SH; SHAEC1323511601

SECTION 2: Hazards identification

- **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.*

- **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.
- **Other hazards** *Not applicable*
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable*
- **vPvB:** *Not applicable*

SECTION 3: Composition/information on ingredients

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

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· Dangerous components:		
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	propan-2-ol ☒ Xi R36; ☒ F R11 R67 ☒ Flam. Liq. 2, H225; ☒ Eye Irrit. 2, H319; STOT SE 3, H336	6,0%
CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2	tetrasodium ethylenediaminetetraacetate ☒ Xn R22; ☒ Xi R41 ☒ Eye Dam. 1, H318; ☒ Acute Tox. 4, H302	0,03%
CAS: 26172-55-4 EINECS: 247-500-7	5-chloro-2-methyl-2H-isothiazol-3-one ☒ T R23/24/25; ☒ C R34; ☒ Xi R43; ☒ N R50/53 ☒ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ☒ Skin Corr. 1B, H314; ☒ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☒ Skin Sens. 1, H317	0,02%
· Non-dangerous component:		
CAS: 7732-18-5 EINECS: 231-791-2	water	93,95%

· **Remark:**

The active concentration of 5-chloro-2-methyl-2H-isothiazol-3-one (CAS No.26172-55-4) is 2.5%, so its actual concentration in product is 0.0005%.

SECTION 4: First aid measures

- **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.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.

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- Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **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.
- **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

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

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

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

67-63-0 propan-2-ol

AGW (Germany)	Long-term value: 500 mg/m ³ , 200 ppm 2(II);DFG, Y
WEL (Great Britain)	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
VME (France)	Short-term value: 980 mg/m ³ , 400 ppm

26172-55-4 5-chloro-2-methyl-2H-isothiazol-3-one

MAK (Germany)	Long-term value: 0,2E mg/m ³ vgl.Abschn.Xc
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- **DNELs:** Data not available
- **PNECs:** Data not available

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· **Ingredients with biological limit values:**

67-63-0 propan-2-ol

BGW (Germany)	50 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
	50mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Based on composition shown in Section 3, the following measures are suggested for occupational safety measure:**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

· **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 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

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form:	Liquid
Colour:	Colorless and transparent
Odour:	Slight
Odour threshold:	Data not available.

· **pH-value:** 6~7

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· Change in condition	
Melting point/Melting range:	Data not available.
Boiling point/Boiling range:	~100 °C
· Freezing point:	~0 °C
· Flash point:	> 70 °C
· 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:	0,98~0,99 g/cm ³
· Relative density	Data not available.
· Vapour density	Data not available.
· Evaporation rate	Data not available.
· Solubility in / Miscibility with water:	Soluble.
· Partition coefficient (n-octanol/water):	Data not available.
· Viscosity:	
Dynamic:	Data not available.
Kinematic:	Data not available.
· Other information	No further relevant information available.

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

67-63-0 propan-2-ol

Oral	LD50	3600 mg/kg (mouse) 5045 mg/kg (rat) 6410 mg/kg (rabbit)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)

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- **Primary irritant effect:**
- **on the skin:** Irritating effect possible.
- **on the eye:** Irritating effect possible.
- **Sensitization:** Sensitization possible.
- **Toxicokinetics, metabolism and distribution** No further relevant information available.
- **Acute effects (acute toxicity, irritation and corrosivity)** No further relevant information available.
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
No further relevant information available

SECTION 12: Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **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

- | | |
|---------------------------------------|-----------------|
| · UN-Number | |
| · ADR, IMDG, IATA | Not applicable |
| · UN proper shipping name | |
| · ADR, IMDG, IATA | Not applicable |
| · Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
| · Class | Not applicable |
| · Packing group | |
| · ADR, IMDG, IATA | Not applicable |
| · Environmental hazards | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |

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· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **UN "Model Regulation":** -

SECTION 15: Regulatory information

· **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 (20/6/2013)**

None of the ingredients is listed.

· **REACH Regulation Annex XVII Restriction (13/2/2013)**

None of the ingredients is listed.

· **REACH Regulation Annex XIV Authorization List (17/4/2013)**

None of the ingredients is listed.

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

SECTION 16: Other information

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

R11 Highly flammable.

R22 Harmful if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

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

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