



SDS Report

No. HKGEC1400350301

Date : 30 Apr 2014

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ANTARI LIGHTING AND EFFECTS LTD.
NO. 8, LANE 231, NANKAN ROAD SECTION 1,
LUCHU, TAOYUAN COUNTY, TAIWAN

SGS Job No. : 2583644 - HK
Sample Name : C-300
Article Number : C-300
End Uses : CLEANER AND LUBRICANT
Composition/Ingredient of sample (as per client submission) : See *Section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : 11 Apr 2014
Last Information Date : 30 Apr 2014
SDS Preparation Period : 11 Apr 2014 – 30 Apr 2014

Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.

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 and Regulation (EC) No 1272/2008, and is provided per attached.

Signed for and on behalf of
SGS Hong Kong Ltd

Lam Ka Yung, Allen
Chemist

End of Report

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Safety Data Sheet

1907/2006/EC, 1272/2008/EC

Printing date 30.04.2014

Revision: 30.04.2014

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

- **Product identifier**
- **Trade name:** C-300
- **Article number:** C-300
- **Registration number** Not available
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Cleaner and Lubricant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Antari Lighting And Effects LTD
No. 8, Lane 231, Nankan road section 1, Luchu, Taoyuan county, Taiwan
Tel: +886-3-332-5829
- **Only Representative / other EU contact point:** Not available
- **Further information obtainable from:** Antari Lighting And Effects LTD
- **Emergency telephone number:**
Mr. Bruce Hung
Tel: +866-3-332-5829
- **Email:** bruce@antari.com.tw
- **Reference Number:** HKG14-003503

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**
The product is not classified according to the Directive 67/548/EEC or 1999/45/EC.
- **Information concerning particular hazards for human and environment:** Not applicable
- **Classification system:**
The classification is according to the EU Directive 67/548/EEC, 1999/45/EC and Regulation 1272/2008/EC, and extended by company and literature data.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Not applicable
- **Hazard pictograms** Not applicable
- **Signal word** Not applicable
- **Hazard statements** Not applicable
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

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

· **Dangerous components:**

CAS: 811-97-2	norflurane	 Press. Gas, H280	91,8%
EINECS: 212-377-0			

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· Non-dangerous components:

CAS: 8042-47-5	White mineral oil (petroleum)	8,2%
EINECS: 232-455-8		

SECTION 4: First aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** 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:** No special measures required.

SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **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).
- **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** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from water.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

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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:**

811-97-2 norflurane

WEL (Great Britain)	Long-term value: 4240 mg/m ³ , 1000 ppm
AGW (Germany)	Long-term value: 4200 mg/m ³ , 1000 ppm 8(II);DFG, Y

· **DNELs** not available

· **PNECs** not available

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

· **Exposure controls**

Based on the 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:** Not required.

· **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

Goggles recommended during refilling

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Liquified Gas

Colour: Colourless

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· Odour:	<i>Slightly ethereal</i>
· Odour threshold:	<i>Not available</i>
· pH-value:	<i>Not available</i>
· Change in condition	
Melting point/Melting range:	<i>Not available</i>
Boiling point/Boiling range:	<i>Not available</i>
· Freezing point:	<i>Not available</i>
· Flash point:	<i>Not available</i>
· Flammability (solid, gaseous):	<i>Not available</i>
· Auto-ignition temperature:	<i>Not available</i>
· Decomposition temperature:	<i>Not available</i>
· Self-igniting:	<i>Not available</i>
· Explosive properties:	<i>Not available</i>
· Explosion limits:	
Lower:	<i>Not available</i>
Upper:	<i>Not available</i>
· Oxidizing properties:	<i>Not available</i>
· Vapour pressure:	<i>Not available</i>
· Density:	<i>Not available</i>
· Relative density:	<i>Not available</i>
· Vapour density:	<i>Not available</i>
· Evaporation rate:	<i>Not available</i>
· Solubility in / Miscibility with water:	<i>Not available</i>
· Partition coefficient (n-octanol/water):	<i>Not available</i>
· Viscosity:	
Dynamic:	<i>Not available</i>
Kinematic:	<i>Not available</i>
· Other information	<i>Not available</i>

SECTION 10: Stability and reactivity

- **Reactivity** *No decomposition if used according to specifications.*
- **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:**
- **Primary irritant effect:**
- **on the skin:** *No irritant effect.*
- **on the eye:** *No irritating effect.*
- **Sensitization:** *No sensitizing effects known.*

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- **Additional toxicological information:**
The product is not subject to classification according to the calculation method based on the EU Directive 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** Not available
- **Acute effects (acute toxicity, irritation and corrosivity)** Not available
- **Repeated dose toxicity** Not available
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** Not 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 | Not applicable |
| · Transport hazard class(es) | |
| · ADR | Not applicable |
| · Packing group | |
| · ADR | Not applicable |
| · Environmental hazards: | Not applicable |
| · Marine pollutant: | Not applicable |
| · Special precautions for user | Not applicable. |
| · EMS Number: | Not applicable |

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

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:**

- **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**

H280 Contains gas under pressure; may explode if heated.

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

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- **Abbreviations and acronyms:**

Press. Gas: Gases under pressure: Compressed gas

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