# SAFETY DATA SHEET

**COMMISSION REGULATION (EU) No 453/2010**

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**Product Name**  
Bubble Liquid

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

1.1. **Product identifier**  
- **Product Name**: Bubble Liquid  
- **Trade Name**: BL-1, BL-1-CON, BL-4, BL-5, BL-5-CON, BL-20, BL-200  
- **Product Type**: Stage  
- **REACH registration number**: No information available

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

#### Recommended Use

#### Uses advised against

No information available

### 1.3. Details of the supplier of the safety data sheet

- **Supplier**: ANTARI LIGHTING AND EFFECTS LTD  
- **Address**: 8, Lane 231, Nankan, Rd, Sec.1,Luchu,Tao Yuan City, Taiwan  
- **Postal Code**: 33859  
- **Phone**: 03-322-5829#318  
- **FAX**: 03-322-0433  
- **E-mail**: any@antari.com.tw

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### 1.4. Emergency telephone number

0933-108-913

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**  
- **Skin corrosion/irritation** Category 2 - (H315)  
- **Serious eye damage/eye irritation** Category 1 - (H318)  
- **Specific target organ toxicity (single exposure)** Category 3 - (H335)  
- **Chronic aquatic toxicity** Category 3 - (H412)

### 2.2. Label elements

#### Symbols/Pictograms

- **Signal word**: Danger
- **Hazard Statements**
  - H315 - Causes skin irritation.  
  - H318 - Causes serious eye damage.  
  - H335 - May cause respiratory irritation.  
  - H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
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
P405 - Store locked up
P501 - Dispose of contents/container to an approved waste disposal plant

EU Specific Hazard StatementsEUH210 - Safety data sheet available on request

2.3. Other hazards
No information available.

SECTION 3: Composition/information on ingredients

3.1 Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC No</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>231-791-2</td>
<td>7732-18-5</td>
<td>45 - 50</td>
<td>Not classified</td>
</tr>
<tr>
<td>Sodium lauryl sulfate</td>
<td>205-788-1</td>
<td>151-21-3</td>
<td>25 - 30</td>
<td>Acute Tox. 4(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Acute Tox. 4(H332) Flam. Sol. 2(H228) STOT SE 3(H335) Aquatic Chronic 3(H412)</td>
</tr>
<tr>
<td>p-Nonylphenol polyethylene glycol ether</td>
<td>-</td>
<td>98113-10-1</td>
<td>15 - 20</td>
<td>Not classified</td>
</tr>
<tr>
<td>Sodium dehydroacetate</td>
<td>224-580-1</td>
<td>4418-26-2</td>
<td>0.001</td>
<td>Acute Tox. 4 (H302)</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

**General advice**
Remove contaminated clothing and shoes. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. In the case of skin irritation or allergic reactions see a physician. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**Inhalation**
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin Contact**
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

**Eye contact**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion**
Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed
Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.
SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
No information available.

5.2. Special hazards arising from the substance or mixture
No information available.

5.3. Advice for firefighters
Evacuate personnel to safe areas. Move containers from fire area if you can do it without risk. Cool drums with water spray. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Stay upwind. Ensure adequate ventilation, especially in confined areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly after handling.

6.2. Environmental precautions
Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

6.4. Reference to other sections
See Section 7 for more information
See section 8 for more information
See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Take precautionary measures against static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8.

7.2. Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Keep locked up and out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in accordance with local regulations.

7.3. Specific end use(s)
Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
No data available

Derived No Effect Level (DNEL)
No information available

Predicted No Effect Concentration (PNEC)
No information available

8.2. Exposure controls
Engineering Controls
Showers. Eyewash stations. Ventilation systems. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment
Eye/face protection: Wear safety glasses with side shields (or goggles).
Hand Protection: Wear protective gloves.
Skin and body protection: Suitable protective clothing.
Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Appearance: Liquid
Color: Colorless
Odor: No information available
Odor Threshold: Not determined
pH: Not determined
Melting point/freezing point: <0 °C
Boiling point / boiling range: >100 °C
Flash point: Not applicable
Evaporation rate: Not determined
Flammability: Not flammable
Flammability Limit in Air: Not applicable
Vapor Pressure: Not determined
Vapor density: Not applicable
Density: Not determined
Relative density: Not determined
Water solubility: Miscible with water
Partition coefficient (LogPow): Sodium lauryl sulfate: 1.6
Autoignition temperature: Not applicable
Decomposition temperature: Not determined
Kinematic viscosity: Not determined
Dynamic viscosity: Not determined
Explosive properties: Not an explosive
Oxidizing properties: Not determined

9.2. Other information
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.
10.2. Chemical stability
   Stable under normal conditions.

10.3. Possibility of hazardous reactions
   None under normal processing.

10.4. Conditions to avoid
   Heat, flames and sparks.

10.5. Incompatible materials
   None known based on information supplied.

10.6. Hazardous decomposition products
   None under normal use conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

   Acute toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water (CAS #: 7732-18-5)</td>
<td>&gt; 89800 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium lauryl sulfate (CAS #: 151-21-3)</td>
<td>= 1288 mg/kg (Rat)</td>
<td>= 580 mg/kg (Rabbit)</td>
<td>&gt; 3900 mg/m³ (Rat) 1 h</td>
</tr>
<tr>
<td>Sodium dehydroacetate (CAS #: 4418-26-2)</td>
<td>= 500 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation
   Causes skin irritation.

Serious eye damage/eye irritation
   Causes serious eye damage.

Sensitization
   No sensitization responses were observed.

Germ cell mutagenicity
   No information available.

Carcinogenicity
   No information available.

Reproductive toxicity
   No information available.

STOT - single exposure
   May cause respiratory irritation.

STOT - repeated exposure
   No information available.

Aspiration hazard
   No information available.

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants EC50</th>
<th>Fish LC50</th>
<th>Crustacea EC50</th>
</tr>
</thead>
</table>

### 12.2. Persistence and degradability
No information available.

### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient (LogPow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium lauryl sulfate (CAS #: 151-21-3)</td>
<td>1.6</td>
</tr>
</tbody>
</table>

### 12.4. Mobility in soil
No information available

### 12.5. Results of PBT and vPvB assessment
PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

### 12.6. Other adverse effects
No information available.

### SECTION 13: Disposal considerations

13.1. Waste treatment methods
- Waste from residues/unused products: Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

### SECTION 14: Transport information

14.1 UN Number
Not regulated
14.2 Proper shipping name
Not regulated

14.3 Hazard Class
Not regulated

14.4 Packing Group
Not regulated

14.5 Environmental hazards
Non-marine pollutant

14.6 Special precautions
No information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

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

European Union
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Take note of Directive 94/33/EC on the protection of young people at work
Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA</th>
<th>DSL/NDSL</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water 7732-18-5 (45 - 50%)</td>
<td>X</td>
<td>X</td>
<td>Exempt</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sodium lauryl sulfate 151-21-3 (25 - 30%)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sodium dehydroacetate 4418-26-2 (0.0005 - 0.001%)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

"." Not Listed
"X" Listed

15.2. Chemical safety assessment
No information available

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Issue Date 09-Sep-2015
Revision date 09-Sep-2015
Revision Note Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet
TWA - TWA (time-weighted average)
STEL - STEL (Short Term Exposure Limit)
Ceiling - Maximum limit value
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**Full text of H-Statements referred to under section 3**
H228 - Flammable solid
H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H412 - Harmful to aquatic life with long lasting effects

**Disclaimer**
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

------- End of Safety Data Sheet -------