

# Safety Data Sheet

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

Version No.: 1.0

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## SDS REPORT

Ningbo Merryart Glow-tech Co.,Ltd

No.8 Lixin Rd.,Xiaogang Ind.Park Beilun Dist.,Ningbo,China

**SDS Report No.** : EFHZ20031548-CG-01+Rev1  
**Compilation Date** : March 31, 2020  
**Trade Name** : BUBBLE  
**Composition/Ingredient of The Sample** : See Section 3 on the SDS  
**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 Regulation (EC) No 1907/2006, 1272/2008, Regulation (EU) No 2015/830 and are provided per attached.

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

- **1.1 Product identifier**
- **Trade name:** BUBBLE
- **Registration number:** Data not available
- **Other means of identification:** Data not available
- **1.2 Relevant identified uses of the substance or mixture and uses advised against on**
- **Application of the substance/ mixture:** Toy.
- **Uses advised against:** Data not available

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

- **Manufacturer/Supplier:**

Ningbo Merryart Glow-tech Co.,Ltd

No.8 Lixin Rd.,Xiaogang Ind.Park Beilun Dist.,Ningbo,China

**Tel:** +86-13738472176

**Fax:** +86-574-87905398

**Email:** sales17@merryart.cn

- **Only Representative/other EU contact point:** No information available.
- **Further information obtainable from:** Ningbo Merryart Glow-tech Co.,Ltd

- **1.4 Emergency telephone number**

**UNITED KINGDOM**

**National Poisons Information Service**

**Tel:** + 44 (0) 844 892 0111

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**

**Classification according to regulation (EC) 1272/2008:** The product is not classified according to CLP Regulation.

- **Classification system:**

The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.

- **2.2 Label elements**

- **Labeling according to Regulation (EC) No 1272/2008:** The product is not labeled according to CLP Regulation.

- **Hazard pictograms:** Not applicable

- **Signal word:** Not applicable

- **Hazard-determining components of labelling:** Not applicable

- **Hazard statements:** Not applicable

- **Precautionary statement:** Not applicable

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

**PBT:** Not applicable

**vPvB:** Not applicable

## SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization:** Mixture

- **Description:**

Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

Substance	CAS No.	Index No.	EC No.	Conc. w/w	CLP Classification	SCL/M-factor
Deionized Water	7732-18-5	-	231-791-2	98.485%	None	-
Decyl glucoside	68515-73-1	-	500-220-1	0.520%	Eye Dam. 1, H318	-
Lauroylamide propylbetaine	4292-10-8	-	224-292-6	0.400%	Eye Dam. 1, H318 Aquatic Chronic 3, H412	Eye Dam. 1, H318: C>10%; Eye Irrit. 2, H319: 4%<C≤10%;
Hydroxyethyl cellulose	9004-62-0	-	-	0.400%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-
Sodium gluconate	527-07-1	-	208-407-7	0.150%	None	-
Iodopropynyl butylcarbamate	55406-53-6	616-212-00-7	259-627-5	0.045%	Acute Tox. 4, H302 Acute Tox. 3, H331 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT RE 1, H372  Aquatic Acute 1, H400 Aquatic Chronic 1, H410	Acute Tox. 4, H302:C ≥ 25%; Acute Tox. 3, H331:C ≥ 25%; Acute Tox. 4, H332: C ≥ 3%; Skin Sens. 1, H317:C ≥ 1%; Skin Irrit. 2, H315: C ≥ 20%; Eye Dam. 1, H318:C ≥ 10%; Eye Irrit. 2, H319:5%≤C<10%; STOT SE 3, H335: C ≥ 20%; M=10 M(Chronic)=1

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General advice:** No special medical attention required.

**After inhalation:** Supple with fresh air; Consult doctor if you feel unwell.

**After skin contact:** No special measures required. If skin irritation or rash occurs: Get medical advice/attention.

**After eye contact:** Rinse eyes with water. Consult doctor if you feel unwell.

**After swallowing:** Wash mouth. Get medical attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed: No known symptom or effect.

4.3 Indication of any immediate medical attention and special treatment needed: Treatment according to symptoms, no known specific medicine.

## SECTION 5: Fire-fighting measures

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents:** Not flammable liquid, use the suitable extinguishing agent surrounding condition.
  - **Unsuitable extinguishing media:** No special unsuitable extinguishing media.
  - **5.2 Special hazards arising from the substance or mixture:** May form irritant vapour in air under fire.
  - **5.3 Advice for firefighters**
- Protective equipment:** Wear an approved positive pressure self-contained breathing apparatus (Comply with EN 133).

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:**  
Cut off leakage source and collect spillage timely if safe to do it; Ensure adequate ventilation; Avoid contact with eyes.
- **6.2 Environmental precautions:**  
Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.
- **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 section 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:** Avoid contact with eyes.
- **Information about fire and explosion protection:** Normal measures for preventive fire protection.
- **7.2 Conditions for safe storage, including any non-compatibility**
- **Requirements to be met by storerooms and receptacles:** Store in a cool and well-ventilated place.
- **Information about storage in one common storage facility:** No special requirement.
- **Further information about storage conditions:** No special requirement.
- **7.3 Specific end use(s):** Toy.

## SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

Country	Limit value - Eight hours	Limit value - Short term
55406-53-6 Iodopropynyl butylcarbamate		
Germany (AGS)	0.005 ppm; 0.058 mg/m <sup>3</sup> Inhalable fraction and vapour	0.01 ppm; 0.116 mg/m <sup>3</sup> Inhalable fraction and vapour; 15 minutes average value
Germany (DFG)	0.005 ppm; 0.058 mg/m <sup>3</sup>	0.01 ppm; 0.116 mg/m <sup>3</sup> 15 minutes average value

- **DNELs:**

DNEL type		DNEL worker value	DNEL consumer value
68515-73-1 Decyl glucoside			
Systemic effects	Long-term, inhalation exposure	420 mg/m <sup>3</sup>	124 mg/m <sup>3</sup>
	Long-term, dermal exposure	595 000 mg/kg bw/day	357 000 mg/kg bw/day
	Long-term, oral exposure	-	35.7 mg/kg bw/day
4292-10-8 Lauroylamide propylbetaine			
Systemic Effects	Long-term, inhalation exposure	44 mg/m <sup>3</sup>	-
	Acute /short term, inhalation exposure	12.5 mg/kg bw/day	7.5 mg/kg bw/day
	Long-term, oral exposure	-	7.5 mg/kg bw/day
55406-53-6 Iodopropynyl butylcarbamate			
Systemic Effects	Long-term, inhalation exposure	23 µg/m <sup>3</sup>	-
	Acute /short term, inhalation exposure	70 µg/m <sup>3</sup>	-
	Long-term, dermal exposure	2 mg/kg bw/day	-
Local effects	Long-term, inhalation exposure	1.16 mg/m <sup>3</sup>	-
	Acute /short term, inhalation exposure	1.16 mg/m <sup>3</sup>	-

• **PNECs:**

PNEC type	Value
68515-73-1 Decyl glucoside	
Freshwater	176 µg/L
Intermittent releases (freshwater)	270 µg/L
Marine water	17.6 µg/L
Sewage treatment plant (STP)	560 mg/L
Sediment (freshwater)	1.516 mg/kg sediment dw
Sediment (marine water)	152 µg/kg sediment dw
4292-10-8 Lauroylamide propylbetaine	
Freshwater	13.5 µg/L
Marine water	1.35 µg/L
Sewage treatment plant (STP)	3 g/L
Sediment (freshwater)	1 mg/kg sediment dw
Sediment (marine water)	100 µg/kg sediment dw
55406-53-6 Iodopropynyl butylcarbamate	
Freshwater	500 ng/L
Intermittent releases (freshwater)	530 ng/L
Marine water	46 ng/L
Intermittent releases (marine water)	530 ng/L
Sewage treatment plant (STP)	440 µg/L
Sediment (freshwater)	17 µg/kg sediment dw
Sediment (marine water)	1.6 µg/kg sediment dw

• **Additional information:** The lists valid during the marking were used as basis.

• **8.2 Exposure controls**

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work;  
See section 7 for information about design of technical facilities.

• **Personal protective equipment**

- **Respiration protection:** No special respiration protection required.
- **Protection of hands:** No special protection of hands required.
- **Eye protection:** No special eye protection required.
- **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
Color	Colorless
Odor	Odorless
Odor threshold	Not determined
pH-value	7.0-9.0 at 20°C
Change in condition	
Melting point/melting range	Not determined
Boiling point and boiling range	Not determined
Freezing point	Not determined
Flash point	>93°C (closed cup)
Flammability (solid, gas)	Not determined
Decomposition temperature	Not determined
Self-ignition	Not determined
Danger of explosion	Product does not present an explosive hazard.
Explosion limits	
Lower:	Not determined
Upper:	Not determined
Oxidizing properties	Not determined
Vapor pressure	Not determined
Density	Not determined
Relative density	Not determined
Vapor density	Not determined
Evaporation rate	Not determined
Solubility in/Miscibility with	
Water	Soluble in water
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic	Not determined
Kinematic	Not determined
9.2 Other information	Not determined

## 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 known hazardous reactions.

- **10.4 Conditions to avoid:** No special avoid condition.
- **10.5 Incompatible materials:** Strong acids, strong bases, strong oxidizers.
- **10.6 Hazardous decomposition products:** No known hazardous decomposition products.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:** No animal test has been done for this product.

55406-53-6 Iodopropynyl butylcarbamate

Rat	LD50-oral	1100 mg/kg
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Remark: All the above data are from literature.

- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eyes damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Not hazardous to the aquatic environment.

68515-73-1 Decyl glucoside

Short-term toxicity to fish	LC50 (4 days) 100.81 mg/L
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Long-term toxicity to fish	NOEC (28 days) 1.8 mg/L
	LC50 (28 days) 3.2 mg/L

Short-term toxicity to aquatic invertebrates	EC50 (48 h) 100 mg/L
	NOEC (48 h) 100 mg/L

Long-term toxicity to aquatic invertebrates	NOEC (21 days) 1.76 mg/L
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Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 27.22 mg/L
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Toxicity to microorganisms	EC50 (6 h) 560 mg/L
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4292-10-8 Lauroylamide propylbetaine

Short-term toxicity to fish	LC50 (4 days) 1.11 mg/L
	NOEC (4 days) 540 - 1 100 µg/L

Long-term toxicity to fish	NOEC (37 days) 135 µg/L
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Short-term toxicity to aquatic invertebrates	EC50 (48 h) 1.9 mg/L
	LC50 (48 h) 7 - 19.38 mg/L
	NOEC (48 h) 3.6 - 10 mg/L

Long-term toxicity to aquatic invertebrates	NOEC (21 days) 300 µg/L
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Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 2.4 mg/L
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	NOEC (72 h) 600 µg/L
55406-53-6 Iodopropynyl butylcarbamate	
Short-term toxicity to fish	LC50 (4 days) 67 - 410 µg/L NOEC (4 days) 49 - 140 µg/L
Long-term toxicity to fish	NOEC (35 days) 8.4 µg/L
Short-term toxicity to aquatic invertebrates	LC50 (48 h) 160 µg/L NOEC (48 h) 76 µg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 49.9 µg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72h) 53 µg/L NOEC (72 h) 4.6 µg/L
Toxicity to microorganisms	EC50 (3 h) 44 mg/L

• **12.2 Persistence and degradability:** Readily degradable.

68515-73-1	Decyl glucoside	Readily biodegradable in water
4292-10-8	Lauroylamide propylbetaine	Readily biodegradable in water

• **12.3 Bio-accumulative potential:** Low bio-accumulation.

68515-73-1	Decyl glucoside	Log Pow = -0.07 - 1.72 at 20 - 40 °C and pH 6.5
4292-10-8	Lauroylamide propylbetaine	Log Pow = 4.232 at 20 °C
55406-53-6	Iodopropynyl butylcarbamate	Log Pow = 2.81 at 25 °C

• **12.4 Mobility in soil:** Low mobility in soil.

55406-53-6	Iodopropynyl butylcarbamate	Log Koc = 2.49
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• **12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable

**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): Low hazard to waters.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

## SECTION 13: Disposal consideration

• **13.1 Waste treatment methods**

• **Recommendation:** Small quantities can be disposed together with household garbage; Large quantities disposed must be in according to the local/regional/national/ international regulation.

• **13.2 Un-cleaned packaging**

• **Recommendation:** Dispose of contents/container in according to the local/regional/national/ international regulation.

## SECTION 14: Transport information

• **14.1 UN-Number**

ADR, RID, ADN, IMDG, IATA

Not regulated as dangerous transport goods, not applicable

• **14.2 UN proper shipping name**

ADR, RID, ADN, IMDG, IATA

Void

· 14.3 Transport hazard class (es) ADR, RID, ADN, IMDG, IATA Class Label	 Void Void
· 14.4 Packing group ADR, RID, ADN, IMDG, IATA	Void
· 14.5 Marine pollution	No
· 14.6 Special precautions for user · Danger code (Kemler) · EMS number	Void Void Void
· 14.7 UN "Model Regulation"	Void

### 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.
- Directive 2012/18/EU
- Named dangerous substances-ANNEX I: None of the ingredients is listed.
- Seveso category: Not applicable
- Qualifying quantity (tonnes) for the application of lower-tier requirements: Not applicable
- Qualifying quantity (tonnes) for the application of upper-tier requirements: Not applicable
- National regulations.
- Water hazard class: Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.
- Other regulations, limitations and prohibitive regulations
- SVHC Candidate list of REACH Regulation Annex XIV Authorization: None of the ingredients is listed.
- REACH Regulation Annex XVII Restriction: None of the ingredients is listed.
- REACH Regulation Annex XIV Authorization List: None of the ingredients is listed.
- 15.2 Chemical safety assessment: A Chemical Safe Assessment has not been carried out.

### SECTION 16: Other information

**Relevant phrases:**

- H302 Harmful if swallowed
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H319 Causes serious eye irritation
- H331 Toxic if inhaled
- H335 May cause respiratory irritation
- H372 Causes damage to organs
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects
- H412 Harmful to aquatic life with long lasting effects

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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

**DISCLAIMER OF LIABILITY:**

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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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.

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

**DNEL:** Derived No-Effect Level (REACH)

**PNEC:** Predicted No-Effect Concentration (REACH)

**PBT:** Persistent, Bio accumulative and Toxic

**SVHC:** Substance of Very High Concern

**LD50:** Lethal dose, 50 percent

**LC50:** Lethal concentration, 50 percent

**EC50:** Concentration of maximal effect, 50 percent

**NOEC:** No observed effect concentration

**Acute Tox.3:** Acute toxicity, hazard category 3

**Acute Tox. 4:** Acute toxicity, hazard category 4

**Skin Irrit.2:** Skin corrosion/irritation, hazard category 2

**Skin Sens. 1:** Respiratory or skin sensitization, hazard category 1

**Eye Dam. 1:** Eye damage/irritation, hazard category 1

**Eye Irrit. 2:** Eye damage/irritation, hazard category 2

**STOT RE 1:** Specific target organ toxicity after repeated exposure, hazard category 1

**STOT SE 3:** Specific target organ toxicity after single exposure, hazard category 3

**Aquatic Acute 1:** Hazardous to the aquatic environment-acute toxic, hazard category 1

**Aquatic Chronic 1:** Hazardous to the aquatic environment-chronic toxic, hazard category 1

**Aquatic Chronic 3:** Hazardous to the aquatic environment- chronic toxic, hazard category 3

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End of safety data sheet

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**The test item is subcontracted to other lab.**