Safety Data Sheet

according to Regulation (EC) No.1907/2006 (REACH), amended by COMMISSION REGULATION (EU) 2020/878

Product name : Safety 6inch Light Sticks All Colors　　Date of revision : 17/Nov/2023

SDS No. : 231117_1_E-1

Revision No. : 1

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Product name: Safety 6inch Light Sticks All Colors

Product code (SDS NO): 231117_1_E-1

Product class:

F00101,F00102,F00103,F00104,F00105,F00106

※ This safety data sheet is for the light emitter and does not include accessories. The following information is for the liquid portion of the product. This product which is completely sealed, and is a safe product with no risk of liquid leakage.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: LUMICA CORPORATION

Address: 891,KAMIBEFU,OAZA,ONGA-CHO,ONGA-GUN,FUKUOKA,811-4332 JAPAN

Division: Technical Department

Telephone number: +81 (0)93 293 3313

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Section 2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No.1272/2008 [CLP]

ENVIRONMENT HAZARDS

Hazardous to the aquatic environment, long-term (chronic): Category 3

(Note) GHS classification without description: Not classified/Classification not possible

2.2 Label elements

No GHS label element

No Signal word

HAZARD STATEMENT

H412 Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENT

Prevention

P273 Avoid release to the environment.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

2.3 Other hazards

The product does not contain any ingredient designated as PBT and/or vPvB.

The product does not contain any ingredients designated as Endocrine disrupting properties.

Section 3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	CAS No.	Content (%)
HAZCODE_EU	ECNO	
Polyolefin (polyethylene, polypropylene, or a mixture)	–	40 – 60
–	–	
Citrate ester	Proprietary	10 – 20
–	Proprietary	
Glass	–	10 – 20
–	–	
Dimethyl phthalate	131-11-3	5 – 15
–	205-011-6	
Benzoate ester	Proprietary	5 – 15
Acute Tox. 4 *, H302; Aquatic Chronic 2, H411	Proprietary	
Glycol ether	Proprietary	1 – 10
–	Proprietary	
Oxalic acid ester	Proprietary	1 – 10
–	Proprietary	
Hydrogen peroxide	7722-84-1	< 1
Ox. Liq. 1, H271; Acute Tox. 4 *, H332; Acute Tox. 4 *, H302; Skin Corr. 1A, H314	231-765-0	
Fluorescer	–	< 0.1
–	–	
Catalyst	–	< 0.1
–	–	

Note : The figures shown above are not the specifications of the product.

Components contributing to the hazard

The product does not contain any ingredients listed in REACH SVHC candidate list.

Section 4. First-aid measures

4.1 Descriptions of first-aid measures

General measures

Get medical advice/attention if you feel unwell.

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor/physician if you feel unwell.

IF ON SKIN (or hair)

Gently wash with plenty of soap and water.

If you observe unusual symptom, have irritation/pain and/or feel unwell, seek medical advice.

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.

IF SWALLOWED

Rinse mouth. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Specific information on symptom and effect are unknown.

4.3 Indication of any immediate medical attention and special treatment needed

Information on indication of any immediate medical attention and special treatment needed is not available.

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

In case of fire, use foam, dry powder, CO2 to extinguish.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

5.2 Specific hazards arising from the substance or mixture

Specific hazards arising from the substance or mixture is not available.

5.3 Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Section 6. Accidental release measures

6.1 Personnel precautions, protective equipment and emergency procedures

Keep unauthorized personnel away.
Ventilate area until material pick up is complete.
Wear proper protective equipment.

6.2 Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.
Do not wash away into sewers or waterway.

Section 7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Safety treatments)

Avoid contact with skin.
Avoid contact with eyes.

Safety Measures

Obtain special instructions before use.

Any incompatibilities data is not available.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.

7.2 Storage

Conditions for safe storage

Keep cool. Protect from sunlight.

(Incompatible storage condition)

Keep out of reach of children.

Container and packaging materials for safe handling data is not available.

7.3 Specific end use(s)
Information on Specific end use(s) is not available.

Section 8. Exposure controls/personal protection
8.1 Control parameters
Adopted value
(Dimethyl phthalate)
ACGIH(2005) TWA: 5mg/m3 (Eye & URT irr)
(Hydrogen peroxide)
ACGIH(1996) TWA: 1ppm (Eye, URT & skin irr)
EU OEL value is not available.
8.2 Exposure controls
Appropriate engineering controls
Washing facilities should be available.
Individual protection measures
Hand protection
Wear protective gloves.
Eye protection
Wear eye/face protection.
Skin and body protection
Wear protective clothing.

Section 9. Physical and Chemical Properties
9.1 Information on basic physical and chemical properties
Physical state: Solid (Contents are viscous liquid)
Color: Milky white (Contents are colored)
Odor data is not available.
Odor threshold data is not available.
Melting point/Freezing point data is not available.
Boiling point or initial boiling point data is not available.
Boiling range data is not available.
Flammability (gases, liquids and solids) data is not available.
Lower and upper explosion limit/flammability limit data is not available.
Flash point: (Rapid equilibrium closed cup method)110℃
Auto-ignition temperature data is not available.
Decomposition temperature data is not available.
pH data is not available.
Kinematic viscosity data is not available.
Solubility:
Solubility in water data is not available.
Solubility in solvent data is not available.
n-Octanol/water partition coefficient data is not available.
Vapor pressure data is not available.
Vapor density data is not available.
Density and/or relative density: 1.1
Relative vapor density (Air=1) data is not available.
Relative density of the Vapor/air - mixture at 20℃ (Air = 1) data is not available.
Particle characteristics data is not available.

9.2 Other information
9.2.1 Information with regard to physical hazard classes
Critical temperature data is not available.
9.2.2 Other safety characteristics
Evaporation rate data is not available.
Other information is not available.

Section 10. Stability and Reactivity

10.1 Reactivity
Reactivity data is not available.
10.2 Chemical stability
Stable under normal storage/handling conditions.
10.3 Possibility of hazardous reactions
Possibility of hazardous reactions data is not available.
10.4 Conditions to avoid
Conditions to avoid data is not available.
10.5 Incompatible materials
Incompatible materials data is not available.
10.6 Hazardous decomposition products
Carbon oxides

Section 11. Toxicological Information

11.1 Information on toxicological effects
Acute toxicity
Acute toxicity (Oral)
[Product]
Classification not possible (Insufficient data available or no data available).
[Product data]
No data available.
[Data for components of the product]
[Table 3 of Annex VI to the CLP Regulations]
(Benzoate ester)
Category 4
(Hydrogen peroxide)
Category 4
Acute toxicity (Dermal)
[Product]
Classification not possible (Insufficient data available or no data available).
[Product data]
No data available.
[Data for components of the product]
No data available.
Acute toxicity (Inhalation)
[Product]
Classification not possible (Insufficient data available or no data available).
[Product data]
No data available.
[Data for components of the product]

[Table 3 of Annex VI to the CLP Regulations]
(Hydrogen peroxide)
Category 4

Irritant properties

Skin corrosion/irritation

[Product]
Classification not possible (Insufficient data available or no data available).

[Product data]
No data available.

[Data for components of the product]
[Table 3 of Annex VI to the CLP Regulations]
(Hydrogen peroxide)
Category 1A

Serious eye damage/irritation

[Product]
Classification not possible (Insufficient data available or no data available).

[Product data]
No data available.

[Data for components of the product]
No data available.

Serious eye damage/irritation data is not available.

Sensitization

Respiratory sensitization

[Product]
Classification not possible (Insufficient data available or no data available).

[Product data]
No data available.

[Data for components of the product]
No data available.

Skin sensitization

[Product]
Classification not possible (Insufficient data available or no data available).

[Product data]
No data available.

[Data for components of the product]
No data available.

Allergenic and sensitizing effects data is not available.

Germ cell mutagenicity

[Product]
Classification not possible (Insufficient data available or no data available).

[Product data]
No data available.

[Data for components of the product]
No data available.

Mutagenic effects data is not available.

Carcinogenicity

[Product]
Classification not possible (Insufficient data available or no data available).

[Product data]
No data available.

[Data for components of the product]
No data available.
[IARC]
(Polyolefin (polyethylene, polypropylene, or a mixture))
Group 3 : Not classifiable as to its carcinogenicity to humans
(Hydrogen peroxide)
Group 3 : Not classifiable as to its carcinogenicity to humans
[ACGIH]
(Hydrogen peroxide)
A3(1996) : Confirmed Animal Carcinogen with Unknown Relevance to Humans

Reproductive toxicity
[Product]
Classification not possible (Insufficient data available or no data available).
[Product data]
No data available.
[Data for components of the product]
No data available.

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

Specific target organ toxicity (STOT)

STOT-single exposure
[Product]
Classification not possible (Insufficient data available or no data available).
[Product data]
No data available.
[Data for components of the product]
[cat.3 (respiratory tract irritation)]
[Table 3 of Annex VI to the CLP Regulations]
(Hydrogen peroxide)
Category 3, Respiratory tract irritation

STOT-repeated exposure
[Product]
Classification not possible (Insufficient data available or no data available).
[Product data]
No data available.
[Data for components of the product]
No data available.

STOT-repeated exposure data is not available.

Aspiration hazard
[Product]
Classification not possible (Insufficient data available or no data available).
[Product data]
No data available.
[Data for components of the product]
No data available.

Aspiration hazard data is not available.

11.2 Information on other hazards

Endocrine disrupting properties is not available.

Section 12. Ecological Information

12.1 Toxicity

Aquatic toxicity

[Product]

Category 3, Harmful to aquatic life with long lasting effects

[Product data]

No data available.

[Data for components of the product]

Hazardous to the aquatic environment, long-term (chronic)

[Table 3 of Annex VI to the CLP Regulations]

(Benzoate ester)

Category 2

Water solubility

(Dimethyl phthalate)

0.43 g/100 ml (20℃) (ICSC, 2005)

(Benzoate ester)

none (ICSC, 1997)

(Glycol ether)

very good (ICSC, 2004)

(Hydrogen peroxide)

miscible (ICSC, 2000)

12.2 Persistence and degradability

[Data for components of the product]

(Dimethyl phthalate)

Rapidly degradable (BOD_Degradation : 93% (METI existing chemical safety inspections 1989))

(Benzoate ester)

BOD_Degradation : 90% (METI existing chemical safety inspections, 1996)

(Glycol ether)

Rapidly degradable (Determined by comparison with degradability of similar chemical substances (CSCL DB, 2012))

(Hydrogen peroxide)

Rapidly degradable (EU-RAR, 2003)

12.3 Bioaccumulative potential

[Data for components of the product]

(Dimethyl phthalate)

log Kow=1.6 (HSDB, 2013)

(Benzoate ester)

log Pow=3.97 (ICSC, 1997)

(Glycol ether)

log Pow=-0.15 (estimated) (ICSC, 2004)

(Hydrogen peroxide)

log Pow=-1.36 (ICSC, 2000)

12.4 Mobility in soil

Mobility in soil data is not available.

12.5 Results of PBT and vPvB assessment

PBT and/or vPvB assessment data is not available.

12.6 Endocrine disrupting properties

Endocrine disrupting properties is not available.

12.7 Other adverse effects

Ozone depleting chemical data is not available.

Section 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

13.1 Waste treatment methods

Avoid release to the environment.
Dispose of contents/container in accordance with local/national regulation.
Dispose to an authorized waste collection point.
Do not dump into sewers, on the ground or into any body of water.

Section 14. Transport Information

UN No., UN CLASS

14.1 UN Number or ID Number : Not regulated
14.2 UN Proper Shipping Name : Not regulated
14.3 Class or division (Transport hazard class) : Not regulated
14.4 Packing group : Not regulated

IMDG Code (International Maritime Dangerous Goods Regulations)

14.1 UN Number or ID Number : Not regulated
14.2 UN Proper Shipping Name : Not regulated
14.3 Class or division (Transport hazard class) : Not regulated
14.4 Packing group : Not regulated

IATA (Dangerous Goods Regulations)

14.1 UN Number or ID Number : Not regulated
14.2 UN Proper Shipping Name : Not regulated
14.3 Class or division (Transport hazard class) : Not regulated
14.4 Packing group : Not regulated

14.5 Environmental hazards

Marine pollutants (yes/no) : no

14.6 Special precautions for user

Special precautions for user is not applicable.

14.7 Maritime transport in bulk according to IMO instruments

MARPOL Annex II – Noxious Liquid Substances

Noxious Liquid Substances ; Cat. Y
Dimethyl phthalate
Noxious Liquid Substances ; Cat. Z
Glycol ether

MARPOL Annex V – HME (Harmful to the Marine Environment)

Hazardous to the aquatic environment – long-term (chronic): cat.1, 2
Benzoate ester

Section 15. Regulatory Information

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

The product does not contain any ingredients listed in REACH SVHC candidate list.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

Section 16. Other information

GHS classification and labelling

Hazardous to the aquatic environment, long-term (chronic), Category 3: H412 Harmful to aquatic life with long lasting effects

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN Recommendations on the TRANSPORT OF DANGEROUS GOODS 22nd edit., 2021 UN
IMDG Code, 2020 Edition (Incorporating Amendment 40-20)
IATA Dangerous Goods Regulations (64th Edition) 2023
2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
2023 TLVs and BEIs. (ACGIH)
Supplier's data/information

General Disclaimer

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.