

Safety Data Sheet

29 CFR 1910.1200

Printing date 09/11/2013

Reviewed on 09/11/2013

1 Identification

- **Product identifier**
- **Trade name:** Light Stick
- **Article number:** SE4G
- **Application of the substance / the preparation:** For Leisure Use or Entertainment Use
- **Details of the supplier of the material safety data sheet**
- **Manufacturer/Supplier:**
TED LIN / PAN TAIWAN ENTERPRISE CO., LTD.
16F-1, NO. 16, JIAN BA ROAD, CHUNG HO DISTRICT, NEW TAIPEI CITY, TAIWAN 235
Tel: 886-2-8226-5199
- **Further information obtainable from:** TED LIN / PAN TAIWAN ENTERPRISE CO., LTD.
- **Emergency telephone number:**
RYDER CHAN
Tel: 886-2-8226-5199
- **Email:** safety@pantaiwan.com.tw
- **Reference Number:** HKIEQ13-00131
- **Remarks:**
This sample is likely to be classified as article and is out of scope of a SDS as set out in 29 CFR Part 1910.1200. This SDS is generated for client's reference only.

2 Hazard(s) identification

- **Hazard description:** Void
- **Information concerning particular hazards for human and environment:**
The product has not been classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures

· Dangerous components:

131-11-3	dimethyl phthalate	6.854%
75-65-0	2-methylpropan-2-ol	0.982%
7722-84-1	hydrogen peroxide solution	0.413%
51749-83-8	1,8-Dichloro-9,10-bis(phenylethynyl)anthracene	0.022%
54-21-7	sodium salicylate	0.001%

· Non-Dangerous components:

9002-88-4	Polyethylene	67.0%
77-90-7	tributyl O-acetyl citrate	22.374%
30431-54-0	bis(2,4,5-trichloro-6-carbopentoxyphehyl) oxalate	2.354%

(Contd. on page 2)

Safety Data Sheet

29 CFR 1910.1200

Printing date 09/11/2013

Reviewed on 09/11/2013

Trade name: *Light Stick*

(Contd. of page 1)

· **Remark:**

Classification information of bis(2,4,5-trichloro-6-carbopentoxyphenyl) oxalate (CAS No. 30431-54-0) and 1,8-Dichloro-9,10-bis(phenylethynyl)anthracene (CAS No. 51749-83-8) are provided by the formulation owner and/or the chemical supplier(s).

4 First-aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing 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.
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Keep receptacles tightly sealed.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**
Store away from flammable substances.
Store away from foodstuffs.
- **Further information about storage conditions:**
Store in the dark.
Protect from exposure to the light.

8 Exposure controls/personal protection

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

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

131-11-3 dimethyl phthalate

PEL (USA)	Long-term value: 5 mg/m ³
REL (USA)	Long-term value: 5 mg/m ³
TLV (USA)	Long-term value: 5 mg/m ³
EL (Canada)	Long-term value: 5 mg/m ³

(Contd. on page 3)

Safety Data Sheet

29 CFR 1910.1200

Printing date 09/11/2013

Reviewed on 09/11/2013

Trade name: *Light Stick*

(Contd. of page 2)

EV (Canada)	Long-term value: 5 mg/m ³
LMPE (Mexico)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³

- **Additional information:** The lists that were valid during the creation were used as basis.
- **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:**
 - Do not eat, drink, smoke or sniff while working.
 - Be sure to clean skin thoroughly after work and before breaks.
 - Keep away from foodstuffs, beverages and feed.
 - The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** 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

9 Physical and chemical properties

- **General Information**
- **Appearance:**

Form:	Solid
Color:	Green
- **Odor:** Odorless
- **Odour threshold:** Not available
- **pH-value:** Not available
- **Change in condition**

Melting point/Melting range:	Not available
Freezing point:	Not available
Boiling point/Boiling range:	Not available
- **Flash point:** Not available

(Contd. on page 4)

Safety Data Sheet

29 CFR 1910.1200

Printing date 09/11/2013

Reviewed on 09/11/2013

Trade name: *Light Stick*

(Contd. of page 3)

· Flammability (solid, gaseous):	Not available
· Auto-Ignition temperature:	Not available
· Decomposition temperature:	Not available
· Explosion limits:	
Lower:	Not available
Upper:	Not available
· Vapor pressure:	Not available
· Density:	Not available
· Relative density	Not available
· Vapour density	Not available
· Evaporation rate	Not available
· Solubility in / Miscibility with Water:	Not available
· Partition coefficient (n-octanol/water):	Not available
· Viscosity:	
Dynamic:	Not available
Kinematic:	Not available

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.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritating effect possible
- **on the eye:** Irritating effect possible
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

9002-88-4	Polyethylene	3
7722-84-1	hydrogen peroxide solution	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

USA

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 09/11/2013

Reviewed on 09/11/2013

Trade name: Light Stick

(Contd. of page 4)

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (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.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, IMDG, IATA | Not applicable |
| · UN proper shipping name | |
| · DOT, IMDG, IATA | Not applicable |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | Not applicable |
| · Packing group | |
| · DOT, IMDG, IATA | Not applicable |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · EMS Number: | Not applicable |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

7722-84-1	hydrogen peroxide solution
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- **Section 313 (Specific toxic chemical listings):**

131-11-3	dimethyl phthalate
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75-65-0	2-methylpropan-2-ol
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(Contd. on page 6)

Safety Data Sheet

29 CFR 1910.1200

Printing date 09/11/2013

Reviewed on 09/11/2013

Trade name: Light Stick

(Contd. of page 5)

· TSCA (Toxic Substances Control Act):

9002-88-4	Polyethylene
77-90-7	tributyl O-acetylcitrate
131-11-3	dimethyl phthalate
30431-54-0	bis(2,4,5-trichloro-6-carbopentoxyphenyl) oxalate
75-65-0	2-methylpropan-2-ol
7722-84-1	hydrogen peroxide solution
54-21-7	sodium salicylate

· Proposition 65**· Chemicals known to cause cancer:**

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Cancerogenity categories**· EPA (Environmental Protection Agency)**

131-11-3	dimethyl phthalate	D
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· TLV (Threshold Limit Value established by ACGIH)

75-65-0	2-methylpropan-2-ol	A4
7722-84-1	hydrogen peroxide solution	A3

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Australian Inventory of Chemical Substances

9002-88-4	Polyethylene
77-90-7	tributyl O-acetylcitrate
131-11-3	dimethyl phthalate
30431-54-0	bis(2,4,5-trichloro-6-carbopentoxyphenyl) oxalate
75-65-0	2-methylpropan-2-ol
7722-84-1	hydrogen peroxide solution
54-21-7	sodium salicylate

· National regulations:**· Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.**16 Other information**

The contents and format of this SDS are in accordance with 29 CFR 1910.1200.

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

(Contd. on page 7)

Safety Data Sheet
29 CFR 1910.1200

Printing date 09/11/2013

Reviewed on 09/11/2013

Trade name: Light Stick

(Contd. of page 6)

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.

Remarks:

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