



TÜV SÜD China

S D S

Client: Xiamen Long Afterglow Co., Ltd

Address: NO. 1043, Tong Ji Road, Tong An Area, Xiamen, Fujian
Province, China

Attn.: Tommy Tang

Sample Description: GLOW PRODUCTS

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Safety Data Sheet (SDS)
According to HCS-2012 APPENDIX D TO §1910.1200

Product name: GLOW PRODUCTS

1. Identification

(a) Product identifier

Product name: GLOW PRODUCTS

(b) Other means of identification

Product description: Fluorescent material

(c) Recommended use of the chemical and restrictions on use

Recommended use: Used as fluorescent material.

Restriction on use: No information available.

(d) Details of the supplier of the product

Company name: Xiamen Long Afterglow Co., Ltd

Address: NO. 1043, Tong Ji Road, Tong An Area, Xiamen, Fujian Province,
China

Postcode: 361100

E-mail: Tommy@glo-noveltv.com

Telephone: +0086-592-3675699-802

Fax: +0086-592-3675400

(e) Emergency phone number

+86-18659283310



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Product name: GLOW PRODUCTS

2. Hazard(s) identification

(a) Classification of the chemical

This product is not classified as hazardous.

(b) Label elements

This product is not classified as hazardous.

Pictogram(s): No pictogram is used.

Signal word: No signal word is used.

Hazard statements: No hazard statement.

Precautionary statements: No precautionary statements.

(c) Description of any hazards not otherwise classified

No information available.

(d) Ingredient with unknown acute toxicity

5% percent of the mixture consists of ingredient of unknown acute (oral/dermal/inhalation) toxicity.

3. Composition/information on ingredients

(a) Mixtures information

Chemical name	CAS No.	Concentration
dimethyl phthalate	131-11-3	58.5%
butyl benzoate	136-60-7	28.5%
water	7732-18-5	6.0%
bis[2,3,5-trichloro-6-[(pentyloxy)carbonyl]phenyl]oxalate	75203-51-9	4.7%
hydrogen peroxide	7722-84-1	2.2%
9,10-bis(phenylvinyl)anthracene	10075-85-1	0.1%



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Product name: GLOW PRODUCTS

4. First-aid measures

(a) Description of first aid measures

Inhalation:	Move to fresh air in case of accidental inhalation of dusts or decomposition products. If you feel unwell, seek medical advice (show the label where possible). In case of irregular breathing or respiratory arrest: Oxygen or artificial respiration, if needed. Call a physician immediately.
Skin contact:	Wash off with soap and plenty of water. If skin irritation persists, call a physician.
Eye contact:	Rinse with plenty of water immediately, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion:	Immediately give plenty of water (if possible charcoal slurry). Rinse mouth. Do not induce vomiting. Seek medical advice.

(b) Most important symptoms/effects, acute and delayed

Burning sensation. May cause irritation when contact with skin or eyes.

(c) Immediate medical attention and special treatment

Persons with pre-existing skin, eye, or respiratory disease may be at increased risk from the irritant or allergic properties of this material. Attending physician should treat exposed patients symptomatically.

5. Fire-fighting measures

(a) Extinguishing media

Suitable extinguishing media:	Water, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media:	No information available.

(b) Special hazards arising from the chemical

In addition to the gaseous combustion products which occur from the reaction of organic materials with oxygen, thick black smoke develops. In the event of a fire, the following substances may be formed: carbon monoxide (CO), carbon dioxide (CO₂).

(c) Special protective equipment and precautions for fire-fighters

Firefighters must wear fire resistant protective equipment. Wear self-contained breathing apparatus.



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Product name: GLOW PRODUCTS

6. Accidental release measures

(a) Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Do not breathe in vapours, dusts. Avoid contact with skin, eyes and clothing.

(b) Methods and materials for containment and cleaning up

Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusts. Provide ventilation.

7. Handling and storage

(a) Precautions for safe handling

Use only in well-ventilated areas. Keep container tightly closed. Do not use unlabelled containers. Avoid contact with skin and eyes. Do not breathe in dusts.

(b) Conditions for safe storage, including any incompatibilities

Store sealed in the original container. Recommended storage temperature: Room temperature.
Store separately from: strong oxidising agents.
Keep away from heat and sources of ignition. Keep away from sparks and flames.



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Product name: GLOW PRODUCTS

8. Exposure controls/personal protection

(a) Control parameters

Component	OSHA		NIOSH	
	PEL-TWA	PEL-STEL	TLV-TWA	TLV-STEL
Dimethyl phthalate	Not Established	5 mg/m ³	5 mg/m ³	Not Established
Hydrogen peroxide	1 ppm 1.4 mg/m ³	Not Established	1 ppm 1.4 mg/m ³	Not Established

(b) Appropriate engineering controls

Do not inhale dusts or smoke of heated product. Ensure adequate ventilation. Follow the maximum workplace concentration values. When the concentration in the air is over the maximum occupational exposure limit, an approved respiratory protection apparatus must be worn.

(c) Personal protective equipment

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

Hand protection: Wear protective gloves.

Eye/face protection: In case of risk of splashing, wear protective glasses/face-shield.

Skin/body protection: Repeated or prolonged exposure: Chemical resistant apron.
Protective gloves, chemical-resistant. The manufacturer recommends the following glove materials: nitrile rubber. Safety gloves should be selected for the actual conditions of use and in accordance with the instructions for use provided by the manufacturer.



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Product name: GLOW PRODUCTS

9. Physical and chemical properties

(a) Appearance	Colorful solid
(b) Odor	Not available.
(c) Odor threshold	Not available.
(d) pH	Not available.
(e) Melting point/freezing point	Not available.
(f) Initial boiling point and boiling range	Not available.
(g) Flash point	Not available.
(h) Evaporation rate	Not available.
(i) Flammability	Not available.
(j) Upper/lower flammability or explosive limits	Not available.
(k) Vapor pressure	Not available.
(l) Vapor density	Not available.
(m) Relative density	Not available.
(n) Solubility(ies)	Not available.
(o) Partition coefficient: n-octanol/water	Not available.
(p) Auto-ignition temperature	Not available.
(q) Decomposition temperature	Not available.
(r) Viscosity	Not available.



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Product name: GLOW PRODUCTS

10. Stability and reactivity

(a) Reactivity

Stable under recommended storage and handling conditions (see section 7, handling and storage).

(b) Chemical stability

Stable under normal conditions.

(c) Possibility of hazardous reactions

None hazardous reactions known.

(d) Conditions to avoid

To avoid thermal decomposition, do not overheat. Keep away from open flames, hot surfaces, and sources of ignition. Avoid contact with Incompatible materials.

(e) Incompatible materials

Strong oxidizing materials.

(f) Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO₂).



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Product name: GLOW PRODUCTS

11. Toxicological information

(a) Information on the likely routes of exposure

Inhalation:	Cough. Dullness.
Ingestion:	Headache. Nausea. Vomiting.
Skin contact:	Dry skin. Redness. Roughness.
Eye contact:	Redness. Pain.

(b) Information on toxicological characteristics

Acute toxicity:	Dimethyl phthalate:	Acute oral toxicity: LD ₅₀ = 6800 mg/kg (rat); Acute dermal toxicity: LD ₅₀ = 23800 mg/kg (rabbit);
	Butyl benzoate:	Acute oral toxicity: LD ₅₀ = 735 mg/kg (rat); Acute dermal toxicity: LD ₅₀ = 4000 mg/kg (rabbit);
	Hydrogen peroxide:	Acute oral toxicity: LD ₅₀ = 376 mg/kg (rat); Acute dermal toxicity: LD ₅₀ = 3000 mg/kg (rabbit); Acute inhalation toxicity: LC ₅₀ = 2 mg/l/4 h (rat)
Skin corrosion/irritation:	No data available.	
Serious eye damage/irritation:	No data available.	
Respiratory sensitization:	No data available.	
skin sensitization:	No data available.	
Carcinogenicity:	Hydrogen peroxide: IARC Group 3, not classified as to its carcinogenicity to humans.	
Germ Cell Mutagenicity:	No data available.	
Reproductive Toxicity:	No data available.	
STOT-Single Exposure:	No data available.	
STOT-Repeated Exposure:	No data available.	
Aspiration Hazard:	No data available.	



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Product name: GLOW PRODUCTS

12. Ecological information

(a) Ecotoxicity

Dimethyl phthalate:	Acute fish toxicity:	LC ₅₀ = 53 mg/l/96h (<i>Lepomis macrochirus</i>);
	Acute daphnia toxicity:	EC ₅₀ = 33 g/l/48h (<i>Daphnia magna</i>);
	Acute bacteria toxicity:	EC ₅₀ = 44 g/l/72h;
Hydrogen peroxide:	Acute fish toxicity:	LC ₅₀ = 24.4 mg/l/96h;
	Acute daphnia toxicity:	EC ₅₀ = 13.2 g/l/48h (<i>Daphnia magna</i>);
	Acute bacteria toxicity:	EC ₅₀ = 3.36 g/l/72h (<i>Cyanobacterium</i>);

(b) Persistence and Degradability

Based on best current information, there is no data known associated with this product.

(c) Bioaccumulative potential

Based on best current information, there is no data known associated with this product.

(d) Mobility in soil

Based on best current information, there is no data known associated with this product.

(e) Other adverse effects

No information available.

13. Disposal considerations

(a) Safe handling and methods of disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Product name: GLOW PRODUCTS

14. Transport information

(a) UN number	Not regulated as dangerous goods.
(b) UN Proper shipping name	Not regulated as dangerous goods.
(c) Transport hazard class(es)	Not regulated as dangerous goods.
(d) Packing group (if applicable)	Not regulated as dangerous goods.
(e) Marine pollutant (Yes/No)	No
(f) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)	No information available.
(g) Special precautions	No information available.

15. Regulatory information

(a) Safety, health and environmental regulations specific for the product in question

CAS No.	USA TSCA	EU EINECS	Japan ENCS	Korea ECL	China IECSC	Canada DSL
131-11-3	Listed	Listed	Listed	Listed	Listed	Listed
136-60-7	Listed	Listed	Listed	Listed	Listed	Listed
7732-18-5	Listed	Listed	Not listed	Listed	Listed	Listed
75203-51-9	Not listed	Not listed	Not listed	Listed	Not listed	Not listed
7722-84-1	Listed	Listed	Listed	Listed	Listed	Listed
10075-85-1	Listed	Not listed	Not listed	Listed	Not listed	Not listed



Technical Report No. 64.165.12.02355.01
Dated 2012-12-12

Product name: GLOW PRODUCTS

16. Other information, including date of preparation or last revision

(a) Preparation and revision information

Date of previous revision: Not applicable.

Date of this revision: 12/12/2012

Revision summary: The first New SDS

(b) Abbreviations and acronyms

OSHA:	The United States Occupational Safety and Health Administration.
TWA:	time-weighted average
STEL:	Short term exposure limit
DOT:	US Department Of Transportation)
IMDG:	International Maritime Dangerous Goods
IATA:	International Air Transport Association
TSCA:	Toxic Substances Control Act, The American chemical inventory.
DSL	Domestic Substances List
EINECS:	European Inventory of Existing Commercial chemical Substances
ENCS	Japanese Existing and New Chemical Substances
ECL:	Existing Chemicals List, the Korean chemical inventory.
IECSC:	Inventory of existing chemical substances in China.

(c) Disclaimer

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.

**Jiangsu TÜV Product Service Ltd. Guangzhou Branch
TÜV SÜD Group**



Engineer: Kevin Zhang

Kevin Zhang

Technical Report checked: Leon Tao

Leon Tao