

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH)
Version 2.1 Print date: 02/11/2015
Revision date: 02/11/2015

1 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Identification on the label/Trade name: LED Eye Shields
CAS: See section 3 EC: See section 3
Index Number: N/A
REACH Pre-registration No.: N/A
Additional identification: N/A

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Eye protection.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Hangzhou Jujiu Science & Biotechnology Co., Ltd
Block 3, 9 Haishu Road, Yuhang District, Hangzhou, Zhejiang, China
Tel: +86-0571-88628939 Fax: +86-0571-88628939-8006
Email: jujiugel@hzjujiubio.com

1.4 Emergency telephone Number: +86-0571-88628939

Available 24 hours?

YES

NO

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification:

Classification in according to EU CLP 1272/2008	
Hazard classes/Hazard categories	Hazard statement
N/A	N/A

For full text of H- phrases: see section 2.2.

Classification in according to 67/548/EEC(DSD)	
Hazards characteristics	R-Phrases
N/A	N/A

For full text of R- phrases: see section 16.

2.1.2 The most important adverse effects

2.1.2.1 The most important adverse physicochemical effects:
Not available.

2.1.2.2 The most important adverse human health effects:
Not available.

2.1.2.3 The most important adverse environmental effects:
Not available.

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2.2 Label elements

Hazard Pictograms: No hazard pictogram is used.
Signal Word(S): No signal word is used.
Hazard Statement: Not applicable.
Precautionary Statement: Not applicable.

2.3 Other hazards

In use, may form flammable / explosive vapour-air mixture.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture
Ingredient(s):

Substance Name	CAS#	EC#	% by weight	REACH No.	Classification
Silica gel	112926-00-8	601-241-2	35%	-	
Aluminum	N/A	N/A	19.5%	-	-

4 FIRST AID MEASURES

4.1 Description of first aid measures:

4.1.1 In case of inhalation:

Move to fresh air immediately. Seek medical attention in case of continuous irritation of respiratory tract.

4.1.2 In case of skin contact:

While removing contaminated clothing and shoes. Seek medical attention if irritation develops or persists.

4.1.3 In case of eyes contact:

Immediately rinse with plenty of water for at least 15 minutes. Occasionally lifting the upper and lower eyelids. Seek medical attention in case of continuous irritation.

4.1.4 In case of ingestion:

Give 2-4 cupfuls of milk or water if victim is conscious and alert. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed

Immediately call a POISON CENTER or doctor/physician.

5 FIRE-FIGHTING MEASURES

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5.1 Extinguishing media:

Suitable extinguishing media: water spray, dry chemical, carbon dioxide, or chemical foam.
Unsuitable extinguishing media: N/A.

5.2 Special hazards arising from the substance or mixture

Not available.

5.3 Advice for fire-fighters:

Material should be kept out of eyes and of skin. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not release runoff from fire control methods to sewers or waterways. Cool fire-exposed containers with water spray. Use self-contained breathing apparatus in confined areas.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Remove ignition sources. Provide adequate ventilation. Avoid inhalation of vapour or dust. Wear appropriate personal protective equipment as specified in section 8.

6.2 Environmental precautions:

Do not allow material to be released to the environment without proper governmental permits.

6.3 Methods for containment and cleaning up:

If uncontaminated, recover and reuse as product. Consult with environmental regulatory agencies for acceptable disposal procedures. Consult with environmental regulatory agencies for acceptable disposal procedures if product cannot be recovered and reused.

6.4 Reference to other sections:

Refer to section 8 of the SDS.

6.5 Additional information:

Not available.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Handle in well ventilated areas. Eliminate all sources of ignition, and do not generate flames or sparks. Take precautionary measures against static discharges.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

7.3 Specific end use(s):

Not available.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

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8.1 Control parameters:

- 8.1.1 Occupational exposure limits:
Not available.
- 8.1.2 Additional exposure limits under the conditions of use: Not available.
- 8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls

- 8.2.1 Appropriate engineering controls:
Use general ventilation or use local exhaust, where possible, in confined or enclosed spaces.
- 8.2.2 Individual protection measures, such as personal protective equipment:
Eye/face protection: Not normally required.
Hand protection: Not normally required.
Body protection: Not normally required.
Respiratory protection: Not normally required.
- 8.2.3 Environmental exposure controls:
Avoid discharge into the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Solid
Colour:	No data available
Odour:	No data available
Odour threshold:	No data available
pH:	No data available
Melting point/range :	No data available
Boiling point/range (°C) :	No data available
Flash point (°C) :	No data available
Evaporation rate:	No data available
Flammability (solid, gas);	No data available
Ignition temperature (°C) :	No data available
Upper/lower flammability/explosive limits:	No data available
Vapour pressure (20°C) :	No data available
Vapour density:	No data available
Relative Density (20°C):	No data available
Water solubility (g/l) at 20°C :	Insoluble
n-Octanol/Water (log Po/w) :	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, dynamic (20 °C) :	No data available

- 9.2 Physical hazards:
Not classified.

- 9.3 Other information:
Fat solubility(solvent– oil to be specified) etc Not available



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Bulk Density: Not available
Dissociation constant in water(pKa): Not available
Oxidation-reduction Potential: Not available

10 STABILITY AND RELIABILITY

10.1 Reactivity:

Stable under recommended transport or storage conditions.

10.2 Chemical stability:

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Conditions to avoid:

Incompatible materials.

10.5 Incompatible materials:

Not available.

10.6 Hazardous decomposition products:

Not available.

11 TOXICOLOGICAL INFORMATION

11.1 Toxicokinetics, metabolism and distribution

Not available.

11.2 Information on toxicological effects

Acute toxicity:

LD50 (Oral, Rat): No data available.

LD50 (Dermal Rabbit): No data available.

LC50 (Inhalation, Rat): No data available.

Skin corrosion/irritation: No data available.

Serious eye damage/irritation: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: 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.

12 ECOLOGICAL INFORMATION

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	24h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

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Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT&vPvB assessment: No data available.

Other adverse effects: No data available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Contact a licensed professional waste disposal service. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Contaminated packing must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner.

14. TRANSPORT INFORMATION

	<i>Land transport (ADR/RID)</i>	<i>Sea transport (IMDG)</i>	<i>Air transport (ICAO/IATA)</i>
<i>UN-Number:</i>	Not regulated	Not regulated	Not regulated
<i>UN Proper shipping name:</i>	Not regulated	Not regulated	Not regulated
<i>Transport hazard Class:</i>	Not regulated	Not regulated	Not regulated
<i>Packaging group:</i>	Not regulated	Not regulated	Not regulated
<i>Environmental hazards:</i>	Not regulated	Not regulated	Not regulated
<i>Special precautions for user:</i>	See section 2.2	See section 2.2	See section 2.2
<i>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</i>	Not regulated	Not regulated	Not regulated

15 REGULATORY INFORMATION

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

Relevant regulations: No data available.

Chemical Safety Assessment Carried Out? YES NO

16 OTHER INFORMATION

16.1 Indication of changes

Version 2.1 amended by EU No 453/2010

16.2 Relevant R- phrases (number and full text):

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No data available.

16.3 Legal Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.

- End -