

## 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: Laser 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
Sodium polyacrylate	9003-04-7	N/A	5%	-	H319
Carbopol CV 940	76050-42-5	N/A	1%	-	-
glycerol	56-81-5	200-289-5	17%	-	-
Aluminum glycinate	41354-48-7	N/A	0.4%	-	-
water	7732-18-5	231-791-2	62%	-	-
Silica gel	112926-00-8	601-241-2	11%	-	-
Disodium tartrate	868-18-8	212-773-3	0.6%	-	-

## 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:

<b>Acute toxicity</b>		<b>Time</b>	<b>Species</b>	<b>Method</b>	<b>Evaluation</b>	<b>Remarks</b>
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 -