

Applicant: HUANGSHAN XINGWEI REFLECTORIZED MATERIAL CO.,LTD  
Address: No. 5, Jingxing Road, Eco development zone, She district, Huangshan City, Anhui Province, 245200, China

**Sample information:**

Sample name: PHOTOLUMINESCENT FILM

Model: XW10-35

Sample received date: February 20, 2017

Testing period: From February 20, 2017 to February 21, 2017

**Test Requested:** As specified by the client, to edit Material Safety Data Sheet (MSDS) for the submitted sample.

Shanghai Changyin Testing Technology Co.,Ltd

Approved by: \_\_\_\_\_



Shanghai Changyin Testing Technology Co.,Ltd

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, <http://www.changyin-lab.com>

# Material Safety Data Sheet (MSDS)

In accordance with GHS Rev. 6 and The EU CLP REGULATION (EC) No 1272/2008

## Section 1 - Chemical Product and Company Identification

### 1.1 Product Identification:

Product Name: PHOTOLUMINESCENT FILM  
Product Model: XW10-35

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Photoluminescent film  
Use advised against: No data available.

### 1.3 Details of the Manufacture or supplier

Manufacture: HUANGSHAN XINGWEI REFLECTORIZED MATERIAL CO.,LTD  
Address: No. 5, Jingxing Road, Eco development zone, She district, Huangshan City, Anhui Province, 245200, China  
Telephone: 86-559-6668688  
Fax: 86-559-6529076  
Email: kirazhang@cnxwfg.com

### 1.4 Emergency telephone number

Emergency Telephone: 86-559-6668688

## Section 2 - Hazards Identification

### 2.1 Classification of the substance or mixture

This product is not classified as dangerous according to the GHS (The Globally Harmonized System of Classification and Labelling of Chemicals).

### 2.2 GHS Label elements, including precautionary statements

**Pictogram(s):** No pictogram is used.  
**Signal Word:** No signal word is used.  
**Hazard Statement:** No hazard statement.  
**Precautionary statements:** No precautionary statement.

Shanghai Changyin Testing Technology Co.,Ltd

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, <http://www.changyin-lab.com>

### 2.3 Description of any hazards not otherwise classified

No additional information available.

## Section 3 - Composition/Information on Ingredient

Substance ( ) Preparation ( ) Article ( ✓ )

Composition:

Chemical name	CAS No.	Content (%)
Dry matter of Acrylic acidpolymer	9003-01-4	60-70
Photoluminescent pigment*	-	20-30
Polyethylene terephthalate	25038-59-9	10-20

Abbreviation: CAS No. is Chemical Abstract Service Registry Number.

\* Mixture of Silicate

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures:

**Eye Contact:** Cannot be contacted by eyes, no special measures.

**Skin Contact:** Generally the product is safe for skin contact. Wash hands after handling.

**Inhalation:** Cannot be inhaled, no special measures. If necessary, remove to fresh air and keep at rest in a position comfortable for breathing.

**Ingestion:** Ingestion is unlikely under normal conditions. If ingested, seek medical attention if necessary.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

## Section 5 - Extinguishing media

### 5.1 Extinguishing media

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Shanghai Changyin Testing Technology Co.,Ltd

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, http://www.changyin-lab.com

## 5.2 Special hazards arising from the substance or mixture

Decomposition products formed under fire conditions. - Carbon oxides, silicon dioxide.

## 5.3 Advice for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Stand upwind for fire fight.

## 5.4 Further information

No information available.

## Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

### 6.1 Personal precautions, protective equipment and emergency procedures:

Not required.

### 6.2 Environmental precautions:

No special environmental precaution measures required.

### 6.3 Methods and materials for containment and cleaning up:

Pick up or rip off mechanically. No special measure required.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling:

As article, no special measure required for normal consumer usage.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store in cool and dry place. Do not store together with strong oxidizing agent. Keep away from fire and heat. Keep out of reach of children.

## Section 8 - Exposure Controls, Personal Protection

**8.1 Exposure Limits:** Not established by US OSHA and ACGIH.

### 8.2 Exposure controls

<b>Engineering Control:</b>	General industrial hygiene practice.
<b>Personal protective equipment:</b>	
<b>Respiratory Protection:</b>	Respiratory protection is not required.
<b>Eyes Protection:</b>	Not required for consumer under normal usage.
<b>Body Protection:</b>	Not required for consumer under normal usage.
<b>Hands Protection:</b>	Not required for consumer under normal usage. Wash hands after handling if necessary.
<b>Other Protections:</b>	Not required for consumer under normal usage.

## Section 9 - Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Yellow-green rolled self-adhesive film
<b>Odor</b>	Odorless
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability</b>	Not flammable.
<b>Upper explosive limit %(V/V)</b>	Not applicable.
<b>Lower explosive limit %(V/V)</b>	Not applicable.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Insoluble in water
<b>Partition coefficient: n-octanol/water</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

## Section 10 - Stability and Reactivity

**10.1 Stability:** Stable under normal storage temperature and pressure.

**10.2 Conditions to Avoid:** Extremes of temperature, flames and mars.

**Shanghai Changyin Testing Technology Co.,Ltd**

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
 Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, http://www.changyin-lab.com

**10.3 Incompatible materials:** Strong oxidizing agents.

**10.4 Hazardous Decomposition Products:** Other decomposition products- no data available. In the event of fire:see section 5.

**10.5 Possibility of hazardous reactions:** None hazardous reactions known under normal condition.

## Section 11 - Toxicological Information

<b>Acute Toxicity:</b>	No data available.
<b>Skin Corrosion/Irritation:</b>	No known irritating effect.
<b>Serious Eye Damage/Eye Irritation:</b>	No known irritating effect.
<b>Respiratory or Skin Sensitization</b>	No sensitizing effects known.
<b>Germ Cell Mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity:</b>	None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA or the European Directive (67/548/EEC).
<b>Reproductive Toxicity:</b>	Based on available data, the classification criteria are not met.
<b>Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):</b>	No known human health effects upon single exposure.
<b>Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):</b>	No known human health effects upon repeated exposure.
<b>Aspiration Hazard:</b>	Based on available data, the classification criteria are not met.
<b>Potential Health Effects:</b>	
<b>Inhalation:</b>	Cannot be inhaled.
<b>Skin Contact:</b>	No known irritating effect. Wash after handling if necessary.
<b>Eye Contact:</b>	No known irritating effect.
<b>Ingestion:</b>	Ingestion is unlikely under normal conditions. May be harmful if ingested.

## Section 12 - Ecological Information

### 12.1 Toxicity

High molecular weight polymers products. Expected to be nonhazardous to environment under normal usage.

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

### Shanghai Changyin Testing Technology Co.,Ltd

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, <http://www.changyin-lab.com>

No bioaccumulative potential

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Other adverse effects

No known ecological hazard caused by this product.

### Section 13 - Disposal Considerations

#### Waste treatment methods

##### Product

Non hazardous waste. Small quantity can be disposed with household waste. As in big quantity, Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

##### Contaminated packaging

Dispose of as unused product.

### Section 14 - Transport Information

#### 14.1 UN Number:

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

#### 14.2 UN proper shipping name:

ADR/RID, IMDG, IATA Not dangerous goods

#### 14.3 Transport hazard class(es):

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

#### 14.4 Packing group:

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

#### 14.5 Environmental hazards:

No.

**Shanghai Changyin Testing Technology Co.,Ltd**

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, <http://www.changyin-lab.com>

**14.6 Special precautions for user:** No information available.

## Section 15 - Regulatory Information

### EU Regulations

#### Classification according to 67/548/EEC or 1999/45/EC

Not classified

#### Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Not classified.

### US Regulations

**OSHA:**OSHA Hazard Communication Standard Status: This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200.

### USA SARA

#### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components (Specific toxic chemical listings)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

## Section 16 - Additional Information

### Abbreviations:

pH-	Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline
OSHA-	Occupational Safety and Health Administration
NTP-	National Toxicology Program
IARC-	International Agency for Research on Cancer
CAS#-	Chemical Abstract Service number - used to uniquely identify chemical compounds
ACGIH-	The American Conference of Governmental Industrial Hygienists
ADR-	Agreement on Dangerous Goods by Road
IATA -	International Air Transport Association
IMDG-	International Maritime Dangerous Goods

### Further Information:

-This safety data sheet was prepared in accordance with UN GHS Rev.6, The EU CLP REGULATION (EC) No 1272/2008, and ANSI Z400.1.

-The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since

**Shanghai Changyin Testing Technology Co.,Ltd**

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, http://www.changyin-lab.com



this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

**Department Issuing MSDS:** HUANGSHAN XINGWEI REFLECTORIZED MATERIAL CO.,LTD

**Issue Date:** February 21, 2017