



# 苏州奥美材料科技有限公司

## SUZHOU OMAY OPTICAL MATERIALS CO., LTD

### Material Safety Data Sheet

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Visit OMAY on the Web at WWW.PC-FILM.COM

PHONE NUMBERS: +86-512-66652011 (FAX): +86-512-66652012

PRODUCT IDENTIFICATION : PC+PMMA Film & Sheet (GMC series)

PRODUCT USAGE :

#### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This product consists primarily of high molecular weight polycarbonate(>90%wt CAS No : 25971-63-5) and Polymethylmethacrylate (<10% wt CAS No : 9011-14-7), which are not expected to be hazardous.

State of substance : solid

Odor: No

Colour: natural color;

Density: 1.2 g/cm<sup>3</sup>

Appearance: film and sheet

#### SECTION 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW



地址: 苏州高新区华山路 158-30 号

电 话: +86 512 66652011 传 真: +86 512 66652011

E-mail:[omay@pc-film.com](mailto:omay@pc-film.com) 网 址: [www.pc-film.com](http://www.pc-film.com)



# 苏州奥美材料科技有限公司

## SUZHOU OMAY OPTICAL MATERIALS CO., LTD

- Plastic film or sheet.

---

- Can not burn in a fire .
- Molten plastic can cause severe thermal burns.
- Vapor produced during melt processing may cause eyes, skin, and respiratory tract irritation.
- Secondary operations, such as grinding, sanding, or sawing can produce dust that may present an explosion or respiratory hazard.

HMIS Rating : Health = 0; Flammability = 1; Reactivity = 0; PPE = B

### POTENTIAL HEALTH EFFECTS

INGESTION: Not acutely toxic.

INHALATION : Inhalation of product not likely due to physical form.

EYE CONTACT : Product may cause irritation or injury due to mechanical action.

SKIN CONTACT: Product may cause irritation or injury due to mechanical action.

Processing fumes may cause irritation to the eyes, skin, and respiratory tract. In cases of severe exposure, nausea and headache can also occur.

Grease-like processing fume condensates on ventilation ductwork, molds, and other surfaces can cause irritation and injury to skin.

MEDICAL RESTRICTIONS: There is no known human health effect aggravated by exposure to this product. However, certain sensitive individuals and individuals with respiratory impairments may be affected by exposure to components in the processing vapors.

### SECTION 4: FIRST AID MEASURES

#### EYES irritation



地址: 苏州高新区华山路 158-30 号

电 话: +86 512 66652011

传 真: +86 512 66652011

E-mail:[omay@pc-film.com](mailto:omay@pc-film.com)

网 址: [www.pc-film.com](http://www.pc-film.com)



# 苏州奥美材料科技有限公司

## SUZHOU OMAY OPTICAL MATERIALS CO., LTD

Immediately flush eyes with plenty of water. Get medical attention, if persists. After initial flushing, remove any contact lenses.

### SKIN

Wash with soap and water. Get medical attention if irritation develops or persists. For hot products, immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.

### INGESTION

No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop.

### INHALATION

No special treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

### PROCESSING FUMES

Processing fumes inhalation may be irritating to the respiratory tract. If symptoms are experienced, remove victim from the source of contamination or move victims to fresh air and obtain medical advice.



BS EN ISO 9001  
Gentherm Int 19380

地址: 苏州高新区华山路 158-30 号

电 话: +86 512 66652011

传 真: +86 512 66652011

E-mail:[omay@pc-film.com](mailto:omay@pc-film.com)

网 址: [www.pc-film.com](http://www.pc-film.com)



# 苏州奥美材料科技有限公司

## SUZHOU OMAY OPTICAL MATERIALS CO., LTD

---

## SECTION 5: FIRE FIGHTING MEASURES

### FIRE FIGHTING

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Water may be the most suitable extinguishing media due to its cooling properties on molten compounds.

### EXTINGUISHING MEDIA

Water spray and foam. Carbon dioxide and dry chemical are not recommended because of their lack of cooling capacity may permit re-ignition.

### HAZARDOUS COMBUSTION PRODUCTS

Intense heat, smoke, carbon dioxide, carbon monoxide, hydrocarbon fragments.

### CONDITIONS OF FLAMMABILITY

Requires a continuous flame source to ignite.

### EXPLOSION DATA

Material not sensitive to mechanical impact but is sensitive to static discharge under dust cloud conditions.

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES



ISO 9001  
REGISTERED COMPANY  
SGS

地址: 苏州高新区华山路 158-30 号

电 话: +86 512 66652011

传 真: +86 512 66652011

E-mail:[omay@pc-film.com](mailto:omay@pc-film.com)

网 址: [www.pc-film.com](http://www.pc-film.com)



# 苏州奥美材料科技有限公司

## SUZHOU OMAY OPTICAL MATERIALS CO., LTD

### GENERAL

Gather and store in a closed container pending a waste disposal evaluation.

## SECTION 7: HANDING AND STORAGE

### HANDING

When handling heated molten material, use protective equipment and ventilation recommended in Section VIII.

### STORAGE

Store in a cool dry place. Avoid excessive heat and ignition sources.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS

A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Processing fume condensate may be a fire hazard and toxic; remove periodically from exhaust hoods, ductwork, and other surfaces using appropriate personal protection. Local ventilation requirements must be determined to limit exposure to processing fumes in the workplace.

### PERSONAL PROTECTION

#### EYE/FACE

Wear safety glasses with side shields or chemical goggles. In addition, use full-face shield when cleaning processing fume condensates from hoods, ducts, and other surfaces.



BS EN ISO 9001  
Certification No. 19380

地址: 苏州高新区华山路 158-30 号

电 话: +86 512 66652011

传 真: +86 512 66652011

E-mail:[omay@pc-film.com](mailto:omay@pc-film.com)

网 址: [www.pc-film.com](http://www.pc-film.com)



# 苏州奥美材料科技有限公司

## SUZHOU OMAY OPTICAL MATERIALS CO., LTD

### SKIN

When handling pellets or powder, avoid prolonged or repeated contact with skin. Wear long pants, long sleeves, well-insulated gloves, and a face shield during melt processing. Appropriate clothing - including chemical resistant gloves – should be worn to prevent contact with processing fumes condensate.

### RESPIRATORY

When using this product at elevated temperatures, implement engineering systems, administrative controls, or a respiratory protection program (including a respirator approved for protection from organic vapors, acid gases, and particulate matter) if processing fumes are not adequately controlled or operators experience symptoms of overexposure. If dust or powders are produced from secondary operations such as sawing or grinding, use a respirator approved for protection from dust.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	: Solid
ODOR AND APPEARANCE	: Sheet or film with slight or not odor
MELTING POINT	: This product does not exhibit a sharp melting point but softens gradually over a wide range of temperatures.
VAPOR PRESSURE (mmHg)	: Not applicable.
SPECIFIC GRAVITY (Water=1)	: >1
WATER SOLUBILITY	: Insoluble.
%VOLATILES	: Negligible

## SECTION 10: STABILITY AND REACTIVITY

### STABILITY



地址: 苏州高新区华山路 158-30 号

电 话: +86 512 66652011

传 真: +86 512 66652011

E-mail:[omay@pc-film.com](mailto:omay@pc-film.com)

网 址: [www.pc-film.com](http://www.pc-film.com)



# 苏州奥美材料科技有限公司

## SUZHOU OMAY OPTICAL MATERIALS CO., LTD

Stable

### REACTIVITY

Not reactive under recommended conditions of handling, storage, processing, and use.

### CONDITIONS TO AVOID

Do not exceed melt temperature recommendations in product literature. See section8 for respiratory protection advice.

### HAZARDOUS DECOMPOSITION

Processing fumes evolved at recommended processing conditions may include trace levels of phenol, alkyl phenols, and diary carbonate.

## SECTION 11: TOXICOLOGICAL INFORMATION

### ACUTE HEALTH HAZARDS

#### ACUTE ORAL

Estimated to be >5.0g/kg

#### ACUTE DERMAL

Product not considered primary skin irritant. Draize Skin Primary Irritation Score (rabbit) for similar products, in finely divided form, for a 24-hour exposure is 0. Dermal LD50 (rabbit) >2g/kg, estimated.



地址: 苏州高新区华山路 158-30 号

电 话: +86 512 66652011

传 真: +86 512 66652011

E-mail: [omay@pc-film.com](mailto:omay@pc-film.com)

网 址: [www.pc-film.com](http://www.pc-film.com)



# 苏州奥美材料科技有限公司

## SUZHOU OMAY OPTICAL MATERIALS CO., LTD

### ACUTE INHALATION

Processing fumes from similar products are not considered toxic. In acute inhalation tests, laboratory rats were exposed to processing fumes at concentrations exaggerating those that would likely occur in workplace situations. No deaths or signs of toxicity, except transient irritancy in some cases, were noted during the 6hour fume exposure tests. There were no distinct or consistent treatment related tissue or organ changes noted in gross necropsies.

### EYE CONTACT

Product may cause irritation or injury due to mechanical action.

### SKIN CONTACT

Product may cause irritation or injury due to mechanical action.

## SECTION12: ECOLOGICAL INFORMATION

GENERAL : This material is not expected to be harmful to the ecology.

## SECTION13: DISPOSAL INFORMATION

### WASTE DISPOSAL

Recycling is encouraged. Landfill or incinerate in accordance with federal, state and local requirements. Collected processing fumes condensates and incinerator ash should be tested to determine waste classification. Spent or discarded material is not expected to be a hazardous waste.



ISO 9001  
REGISTERED COMPANY  
SGS

地址: 苏州高新区华山路 158-30 号

电 话: +86 512 66652011

传 真: +86 512 66652011

E-mail:[omay@pc-film.com](mailto:omay@pc-film.com)

网 址: [www.pc-film.com](http://www.pc-film.com)



# 苏州奥美材料科技有限公司

## SUZHOU OMAY OPTICAL MATERIALS CO., LTD

### SECTION14: TRANSPORTATION INFORMATION

---

#### Instruction for transportation

Regulation for international transportation: avoid of being wet, not treat with rudely, keep the package not broken.

#### Transportation term

The products can be transported by sea, air and inland transportation.

### SECTION15: REGULATORY INFORMATION

WEEE/ROHS DIRECTIVE                  conforms

REACH DIRECTIVE                  conforms

### SECTION16: REMARK

SUPPLIER: Suzhou OMAY Materials Technology Co., Ltd

Address: NO.158-30, Huashan Road, New District, Suzhou, Jiangsu, China

Tel: +86-512-66652011

Fax: +86-512-66652012



---

地址: 苏州高新区华山路 158-30 号

电 话: +86 512 66652011      传 真: +86 512 66652011

E-mail: [omay@pc-film.com](mailto:omay@pc-film.com)      网 址: [www.pc-film.com](http://www.pc-film.com)

---