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## MATERIAL SAFETY DATA SHEET

ACM Blue Glass Fiber Milled

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	ACM Blue Glass Fiber Milled
Recommended use	Reinforcement
Distributor name & address	SEA Olympus Marketing Inc. SEA Olympus Bldg., A.C. Cortez Ave. Mandaue City, Cebu Philippines 6014
Distributor contact details	(032) 346-7137

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Fiberglass
CAS number	65997-17-3

### 3. HAZARDS CLASSIFICATION

#### Classification of hazards:

No information available.

#### Health effects:

Ingestion:

Ingestion of the material is unlikely. However, ingestion of the material may cause gastrointestinal disturbance.

Inhalation:

Breathing fiberglass dusts and particulates may cause irritation of the nose, throat and respiratory tract.

Skin contact:

Fiberglass dusts and particulates may cause temporary irritation.

Eye contact:

Fiberglass dusts and particulates may cause temporary irritation to the eyes.

#### Environmental effects:

Long-term exposure to fiberglass environment may cause temporary effects.

#### Inflammation and explosion hazards:

No information available.

### 4. FIRST AID MEASURES

#### Skin contact

If irritation occurs to the skin, rinse with soap and water. Make sure to refrain from rinsing with warm water since warm water will cause the skin pores to open and allow fiberglass to penetrate more deeply. If fiberglass penetrates the skin, use a wash cloth to help pull out the fiberglass. To avoid further irritation, do not rub or scratch affected skin. If irritation persists, get medical help. Make sure to refrain from using compressed air to remove fiberglass from the skin.

#### Eye contact

Immediately flush eyes with clean water for at least 15 minutes. If irritation persists, get

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medical help.

**Inhalation:**

If inhaled, immediately remove the affected person to fresh air. If irritation persists, get medical help.

**Ingestion**

Normally, ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that gastrointestinal disturbance does not occur. Do not let the person vomit unless required by the medical personnel. If disturbance persists, get medical help.

## 5. FIREFIGHTING MEASURES

**Flammability classification:**

Non-flammable. But the size and packing material may burn.

**Hazardous combustion products:**

Primary combustion products are carbon monoxide, hydrogen, carbon dioxide and water. Other undetermined compounds can be released in small quantities.

**Firefighting methods:**

Use dry chemical, foam, carbon dioxide, and water as extinguishing media.

**Firefighting instructions:**

Firefighters must use self-contained breathing apparatus and wear full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

In case of release to land, the material should be scooped up as a waste and put into a special container and stored in a designated area. In case of release to water, the material will sink and disperse along the bottom of waterways or ponds and cannot be easily removed after it is waterborne. However, the material is non-hazardous in water.

## 7. HANDLING AND STORAGE

**Handling:**

Try to prevent the packing material to be damaged and keep the product inside the packing material to minimize the generation of dusts. Maintain a clean work environment and avoid generation of fiberglass fragments from improper handling.

**Storage:**

Keep product in its packaging until use to minimize potential dust generation.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Highest permissible concentration**

National and international hygiene standards are as follows:

**Component**

**Permissible Exposure Limit  
of OSHA  
(8-hr average weight)**

**Permissible Exposure Limit  
of ACGIH  
(8-hr average weight)**

Total dust

15 mg/m<sup>3</sup>

10 mg/m<sup>3</sup>

Respirable particulates

5 mg/m<sup>3</sup>

3 mg/m<sup>3</sup>

Respirable fibre

/

1 fibre/mL

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**Engineering control:**

Production areas are closed off and a required relative humidity is maintained.

**Respiratory protection:**

Wear a suitable mask when working in an environment where dust concentration is high.

**Eye protection:**

Wear safety glasses and face shield.

**Body protection:**

Normal loose working clothing (long-sleeved shirts and long pants) is recommended. Skin irritation occurs primarily at the contact areas such as around the neck and waist.

**Hand protection:**

Wear gloves. Skin irritation occurs primarily at the contact areas such as wrists and between the fingers.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Product appearance

White or off-white solid

Odor

No odor

pH value

Not applicable

Melting point

>800

Boiling point

Not applicable.

Relative density

2.6 times that of water

Relative vapor density

Not applicable.

Ignition temperature

Not applicable.

Explosion upper limit

Not applicable.

Explosion lower limit

Not applicable.

Solubility in water

Insoluble.

**Product use:**

Fiberglass is an inorganic, nonmetal material and is used as plastic reinforcement and acoustical insulation.

## 10. STABILITY AND REACTIVITY

**Stability:**

This is a stable material.

**Materials to avoid:**

None.

**Conditions to avoid:**

None.

**Hazardous polymerization:**

Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity:

None.

### Irritability:

Fiberglass dusts may cause irritation to skin and eye. Ingestion of fiberglass may cause irritation to the throat, stomach and gastrointestinal tract. Inhalation may cause coughing, sneezing and nose and throat irritation. Experience indicates that inhalation of a large amount of fiberglass may cause difficulty in breathing, congestion and chest tightness.

### Carcinogenicity:

The International Agency for Research on Cancer (IARC), agency of the World Health Organization (WHO), has determined that fiberglass is a non-carcinogenic material because the evidence is inadequate to prove that fiberglass can cause humans and experimental animals to develop cancer.

## 12. ECOLOGICAL INFORMATION

No data available for this product. Fiberglass products are not listed as a material harmful to animals, plants and fish.

## 13. DISPOSAL CONSIDERATIONS

### RCRA hazard class:

Non-hazardous.

### Disposal instructions:

Dispose waste material according to local environmental regulations.

## 14. TRANSPORT INFORMATION

### Classification and code of hazards

None.

### UN code:

None.

### Packing mark:

None.

### Packing category:

None.

### Transport instructions:

Rolling and moisture should be avoided in transit.

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## 15. REGULATORY INFORMATION

### SARA title III:

#### Hazards categories:

Acute health:	Yes
Chronic health:	No
Fire hazard:	No
Pressure hazard	No
Reactivity hazard	No

#### Reportable ingredients

Sec. 302/304	None
Sec. 313:	None

#### Clean Air Act:

No ingredient is listed

#### WHMIS (Canada) Status:

No controlled.

#### WHMIS classification(s):

None.

## 16. OTHER INFORMATION

**Disclaimer:** SEA Olympus Marketing, Inc. reserves the right to change the information given herein without prior notice. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume liability for occurrence arising out of its use. The user, by accepting products described herein agrees to be responsible for thoroughly testing any application before committing to production. ©20

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## TECHNICAL DATA SHEET

ACM Blue Glass Fiber Milled

### I. IDENTIFICATION AND DESCRIPTION

**Product name:**

ACM Blue Glass Fiber Milled

**Product description:**

Milled fiber is made from fiberglass pulverized chopped strands. Compared to fiberglass chopped strands, it possesses very good dispersibility and mobility, in addition to its reinforcing and anti-cracking properties. It is widely used for reinforcing thermoset and thermoplastic resins e.g. polyurethane, PA, PP, PE, ABS, epoxy, polyester and vinyl ester.

### II. PROPERTIES

**Particle diameter**

(mm)

1, 2, 3, 4

(mesh)

20/50/100/150/200/250/300/350/400/500/600/800/1000

### III. PACKAGING

ACM Blue Glass Fiber Milled are packed in 1-kg and 25-kg bags. Bags can be loaded into container directly or on a pallet.

### IV. STORAGE

Unless otherwise specified, product should be stored in a dry, cool and rain-proof area. It is recommended that the room temperature be 15-35 and humidity should be always maintained at 35-65%.

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