

Product	JF55610
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1. Chemical Product and Company Information

1) Product

JF55610 (Synonyms : Glass Fiber Reinforced Polycarbonate)

2) Recommended use of the chemical and restrictions on use

- Recommended use : Injection molding, industrial Parts
- Restrictions on use : No data

3) Manufacture/Supplier Information

- Supply Company : DAEWON Chemical Co., LTD
- Address : 67-34, Cheonheung 8-gil, Seonggeo-eup, Seobuk-gu, Cheonan-si,
Chungcheongnam-do, Korea
- Information service or emergency call
TEL : +82 41 622 3765
FAX : +82 41 522 9525

2. Hazards Identification

1) Classification of the substance or mixture

Skin corrosion/irritation category 2
Eye damage/irritation category 2
Specific target organ toxicity-single exposure (Category 3)

2) GHS labels, including precautionary statements

- Symbol



- Signal word : Danger
- Hazard statement

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

- Precautionary statement

- Prevention

P261	Avoid breathing dust/fume/gas/mist vapor spray
P264	Wash hands thoroughly after handling

P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/eye protection/face protection
- Response	
P302+P352	If on skin : Wash with plenty of soap and water
P304+P340	If inhaled : Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	If in eyes : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312	Call a poison center or doctor/physician if you feel unwell
P321	Specific treatment
P332+P313	If skin irritation or rash occurs: get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P326	Take off contaminated clothes and wash before reuse.
- Storage	
P405	Store locked up
P403+P235	Store in a well-ventilated place. Keep cool
- Disposal	
P501	Dispose of contents/container in accordance with regulation

3) Other hazards which do not result in classification

· NFPA	
- Health	1
- Fire	1
- Reactivity	0

3. Composition and Information on Ingredients

Component	Synonyms	CAS No.	Content(%)
Polycarbonate	PC	25037-45-0	88 ~ 92
Glass filament Fiber	Fiber Glass Wool	65997-17-3	8 ~ 12
Others	Additives	-	< 4

4. First Aid Measures

1) Eye contact

Wash eyes thoroughly with plenty of water for at least 15 minutes

2) Skin contact

Wash contaminated area perfectly with soap and water for at least 15 minutes during removing contaminated clothes and shoes.

3) Inhalation

Move affected individual to fresh air from the exposure area.

If person is not breathing, provide artificial respiration.

If there is labored respiration, certified person should manage the oxygen.

Seek medical attention immediately.

4) Ingestion

Seek medical attention immediately

5) Most important symptoms/effects, acute and delayed

· Eyes contact

Short-term effect : Irritation

Long-term effect : No Data

· Skin contact

Short-term effect : Irritation

Long-term effect : No Data

· Inhalation

Short-term effect : Irritation

Long-term effect : No Data

· Ingestion

Short-term effect : No Data

Long-term effect : No Data

6) First-aid treatment and information on medical doctors

No Data

5. Fire Fighting Measures

1) Recommended extinguished media

· Recommended extinguishing media : Water, CO₂, Extinguishing powder, Fire fighting foam

· Prohibited extinguishing media : No Data

· Large fire : Fire fighting foam or water spray

2) Specific hazard from chemical material

· Toxicant from combustion Carbon oxides, bisphenol A, diphenyl carbonate, aldehydes and acids, phenol and phenol derivatives, Traces of aliphatic and aromatic hydrocarbons.

· Fire and Explosion Hazard: There is the slight fire hazard.
Flammability

3) Extinguishment

If it can be done without risk, Move container from fire area.

If it will be leak, do not spray high-pressure water streams.

Dike for later processing.

Use extinguishing agents appropriate for surrounding fire

Avoid inhalation of materials and combustion products

Up the wind and avoid low areas

6. Accidental Release Measures

1) Necessary actions to protect human health

- Release to air : No Data
- Release to soil : No Data
- Release to water : No Data

2) Necessary action to protect the environment

- For small release : No Data
- For large release : No Data

3) Purification and removal methods

- For small release : No Data
- For large release : No Data

7. Handling and Storage

1) Safety handling

Avoid direct physical contact.

Encourage appropriate personal hygiene habits

2) Storage

Pressure, cutting, grinding, heating, etc. Avoid physical shock.

Keep stored in airtight containers.

Keep stored in a cool, dry place.

8. Exposure Control and Personal Protection

1) Exposure limits and biological exposure limits of chemical

- KOSHA : No Data
- AIHA : No Data
- ACGIH : No Data
- OSHA : No Data
- NIOSH : No Data
- Biological exposure limits : No Data

2) Engineering management

Ventilation equipment should be explosion-proof if explosive concentrations of dust, vapor or fume are present.

Install local ventilation system.

Comply with limits.

3) Personal protection equipment

- Respiratory protection :

Use approved supplier air respiratory protection for entry into confined space.

- Eyes protection :

Safety glasses or goggles are recommended for the eyes protection from dusts or mists.

a business proprietor should install eyes washing facilities near working areas to protect worker's

eyes for emergency.

· Hands protection :

Use proper protective gloves.

· Human body protection :

Use proper protective clothes.

9. Physical and Chemical Properties

1) Appearance	Pellet (colored solid)
2) Odor	Odourless
3) Odor threshold	No Data
4) pH	No applicable
5) Melting point	No Data
6) Initial boiling point or boiling range	No Data
7) Flash point	No Data
8) Evaporation rate	No Data
9) flammability(solid, gas)	No Data
10) Upper/lower flammability or explosive limits	-/-
11) vapor pressure	No Data
12) Solubility	Insolubility
13) vapor density	No Data
14) Relative density	1.2~1.5
15) Partition coefficient : n-octane/water	No Data
16) Viscosity	No Data
17) Molecular weight	10,000 ~ 80,000

10. Stability and Reactivity

1) Chemical stability

Stable at room temperature and pressure

2) Toxicant generation possibility during reaction

for combustion reaction, toxic carbon compounds may generate

3) Prohibited conditions

Avoid heat, sparks, open flames and other ignition sources

If containers are exposed to heat, container damage or explosion may occur.

Keep away from water supply facilities and sewage.

4) Prohibited materials

Oxidizing agent, peroxides

5) Toxicant during decomposition

Carbon Oxides, Aldehydes, Hydrocarbons, Ketones

11. Toxicological Information

1) Information on the likely routes of exposure

- Inhalation : Harmful by inhalation
- Ingestion : Little difficulty oral injection
- Skin contact : Harmful by skin contact
- Eye contact : Harmful by eye contact

2) Delayed and immediate effects and chronic effects from short or long term exposure

- Acute toxicity
- Oral : LD50 > 8,000 mg/kg Rat
- Dermal : No Data
- Inhalation : No Data
- Skin corrosion/irritation : Harmlessness
- Serious eye damage/eye irritation : Harmlessness
- Respiratory sensitization : No Data
- Skin sensitization : No Data
- Carcinogenicity : IARC Group 3
- Germ cell mutagenicity : No Data
- Reproductive toxicity : No Data
- Specific target organ systemic toxicity(single exposure) : Harmlessness
- Specific target organ systemic toxicity(repeated exposure) : No Data
- Aspiration hazard : No Data

3) Numerical measures of toxicity(such as ATE)

No Data

12. Ecological information

1) Hazardous to the aquatic environment

- Fish : No Data
- Crustacean : No Data
- Algae : No Data

2) Persistence and degradability

- Persistence : No Data
- Degradability : No Data

3) Bio accumulative potential

- Biodegradability : No Data
- Bioaccumulation : No Data

4) Mobility in soil

No Data

5) Other adverse effects

No Data

13. Disposal Considerations

1) Disposal methods

Dispose according to the related regulations.

2) Disposal cautions

Follow details of related waste management act.

14. Transport Information

1) UN number

N/A

2) UN Proper Shipping Name

N/A

3) Transport hazard classes

N/A

4) Packing group, if applicable

N/A

5) Environmental hazards

N/A

6) Special precautions for user

- Emergency management type of fire : N/A
- Emergency management type of leak : N/A

15. Regulatory Information

1) Industrial safety and health act (Korea)

No Data

2) Toxic chemical substance subject to management act (Korea)

No Data

3) Wastes control act (Korea)

No Data

4) Hazardous material safety act (Korea)

No Data

5) Other internal and foreign acts

- Persistent organic pollutant control act (Korea) : N/A
- EU classification
 - Classification : N/A
 - Risk Phrases : N/A
 - Safety Phrases : N/A
- U.S. acts
 - OSHA (29CFR1910.119) : N/A

- CERCLA 103 (40CFR302.4) : N/A
- EPCRA 302 (40CFR355.30) : N/A
- EPCRA 304 (40CFR355.40) : N/A
- EPCRA 313 (40CFR370.21) : N/A
- EPCRA 313 (40CFR372.65) : Applicable
- Rotterdam convention on Harmful Chemicals & Pesticides : N/A
- Stockholm document : N/A
- Montreal protocol : N/A

16. Other Information

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.

The information submitted in this MSDS is based on our current knowledge and experience. Because it is not possible to anticipate all conditions of use additional safety precautions may be required, we make no warranty.

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