



Material Safety Data Sheet(MSDS)

POLYCARBONATE CG202BK

4. First-Aid Measures

- 1) Eye contact : Flush of plenty of water or physiology solution.
- 2) Skin contact : Get rid of polluted clothes, accessories and shoes Wash off in a soap or a neutral detergents using plenty of water.
- 3) Inhalation : From polluted place and inhale the fresh air.
- 4) Ingestion : No need of first-aid measures. Just vomit Get medical attention if person become unconscious.
- 5) Information for doctor : No special antidote. Using support treatment according to symptoms.

5. Fire-Fighting Measures

- 1) Extinguishing method :
 - Suitable : All extinguishable agents can be used (water, form, powders, carbon dioxide, sand, etc)
 - Not suitable : None. If there is a fire close by, use suitable extinguishing agents.
- 2) Specific hazards : Harmful or toxic vapors are released. Combustible product, melts on heating. Risk of fire spreading due to the flow of liquid which is already alight.
- 3) Specific fire fighting methods : Cool the molten products.
- 4) Protection of fire-fighters : Self-contained breathing apparatus.

6. Accidental Release Measures

- 1) Personal precaution : Clear away immediately owing to slipping.
- 2) Environmental precaution : No pertinent data.
- 3) Method for cleaning up :
 - Recovery : Recover the product by vacuuming/shoveling or swelling.
 - Cleaning /Decontamination : Sweep.

7. Handling and Storage

- 1) Handle and storage by the law in force and regulations
 - 2) Store them at the cool and dry place.
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8. Exposure Controls and Personal Protection

- 1) Engineering measures : Need the air exhauster to extract the dust and gas generated during work. Use the mask for dust and organic solvent.
- 2) Personal protective equipments : Doesn't require any specific technical measures.
 - Skin and body protection : No specific/particular action required for this product. Comply with good occupational hygiene practice.
- 3) Further Information : No product (as is) or during its use, does not produce dust. The difference components and fillers are incorporated in the bulk of the polymer.
- 4) Occupational exposure limits : Does not require any specific or particular measures.

9. Physical / Chemical Property

- 1) Appearance : Black color,
- 2) Smell : Nearly odorless.
- 3) PH : Not applicable.
- 4) Solubility : Insolubility in water.
- 5) Boiling point / Boiling range : Not applicable.
- 6) Melting point/ Melting range : 240~280°C
- 7) Explosiveness : Not applicable.
- 8) Oxidation : Not applicable.
- 9) Vapor Pressure: Not applicable.
- 10) Specific gravity : 1.38~1.39
- 11) Coefficient of division : Not applicable.
- 12) Vapor density : Not applicable.
- 13) Viscosity (R.V.) : Not applicable.

10. Stability and Reactivity

- 1) Stability : Stable under normal conditions of use.
- 2) Conditions and substances to avoid.
 - * Conditions to avoid : No dangerous reactions known under normal conditions of use.
 - * substances to avoid : Acid, A base, An oxidizing agent.



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3) Products at the decomposition : On combustion or on thermal decomposition (Pyrolysis) releases: Toxic gases

4) Harmful substances at reacting : Harmful polymerism reaction isn't reported at the normal temperature and normal pressure.

11 Toxicological Information

1) Acute toxicity : No pertinent data.

2) Sub-acute toxicity/ chronic toxicity : No pertinent data.

3) Mutagenicity : No pertinent data.

4) Reproductive toxicity : No pertinent data.

5) Carcinogenicity : No pertinent data.

6) Further information: Does not present any particular risk, on handling under normal conditions of good occupational hygiene practice.

12 Ecological information

1) Aquatic and ecology toxicity : No pertinent data.

2) Soil movement : No pertinent data.

3) Residue and decomposition : No pertinent data.

4) Behavior in the environment.

- Persistence/Degradability : Persisting.

- Destination of the product Ultimate destination of the product : SOIL.

13 Disposal considerations

1) Restriction by regulations of industrial waste : Specific waste matter

2) Disposal consideration : handle by regulations of industrial waste.

14 Transport information

* INTERNATIONAL REGULATIONS

1) LAND :

- Rail/Road (RID/ADR) : Not restricted.

2) SEA (IMO/IMDG) : Not restricted.

3) AIR (ICAO-IATA) : Not restricted.

4) Note : The above regulations prescriptions are those valid on the date of publications of this sheet. Given the possible evolution of transport regulations for Hazardous materials, it would be advisable to check their validity with your sales office.

15 Regulatory information

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1) LABELING :

- Vietnam regulations : Mandatory labeling (self-classification) of hazardous preparations: Stimulus material.

2) NOTE : The regulatory information given above only indicators the principle regulations specifically applicable to the product described in the "Mater Safety Data Sheet". The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16 Other information

1) Uses :

- Recommended use : Manufacturer of articles by injection and extrusion.

- Prohibited use : For special application e.g. in medicine, surgery, or the foodindustry, obtain further information from the manufacturer.

2) Registration numbers : The polymers are not listed in the EINECS inventory. All the other constituents of this preparation are registered in the 'EINECS' inventory.

This documentation is made out based on our piled up experience and knowledge of our R&D center. It is suggested that this information contained in this document can be used for General indication. Therefore, you should not construe it as product specifications, and you should do appropriate test before you considering your conditions for newly applications.

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