



Preparation Date : 11.09.2024  
Revision Date : 11.09.2024  
Revision No. : 00

### GIMIDE™ 7220GF

According to regulation (EC) No 1907/2006 (REACH), as amended by Commission Regulation (EU) 2020/878

## SECTION 1 : Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier –

**Trade name:** GIMIDE 7220GF

**CAS Number:** 61128-46-9

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

May be used to produce molded or extruded articles or as a component of other industrial products.

### 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:

Gharda Chemicals Ltd.,  
48, HILL ROAD, BANDRA (WEST),  
MUMBAI-400 050, INDIA

GHARDA CHEMICALS LTD.  
PLOT NO.3525, GIDC ESTATE,  
PANOLI - 394 116, DIST. BHARUCH,  
STATE-GUJRAT, COUNTRY-INDIA

#### Information department:

TEL: +91 22 3306 5600 (30 LINES)

FAX: +91 22 2640 4224

EMAIL: GHARDAHO@GHARDA.COM

#### Emergency telephone number:

Emergency telephone number: Telephone number of EU importer:

Opening hours:

Other comments (e.g. language(s) of the phone service): English

## SECTION 2 : Hazard(s) identification

### 2.1 Classification of the substance or mixture –

The product is not classified according to the Globally Harmonized System (GHS).

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]: Void



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**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:** Void

#### 2.3 Other hazards

**EYES:** Product may cause irritation or injury due to mechanical action.

**SKIN:** Unlikely to cause skin irritation.

**INGESTION:** Not toxic

**INHALATION:** Not toxic

#### MELT PROCESSING HEALTH EFFECTS:

Molten plastic can cause severe burns. Processing fumes may cause irritation to the eyes, skin and respiratory tract and in cases of severe exposure, nausea and headache. Grease like processing fume condensate on ventilation ductwork, moulds and other surfaces can cause irritation and injury to skin. Dusts generated from mechanical processing may cause irritation to eyes, skin, or respiratory tract. This resin in pellet form is not expected to be hazardous.

#### MEDICAL RESTRICTIONS:

When heated up to processing temperatures, virtually all thermoplastics emit processing fumes. The exact composition and concentration of these processing fumes depend on the resin formulation including additives, the residence time in the processing equipment, equipment variables such as screw design, venting parameters etc. and the processing temperature.

When the resin is processed as per GCL's recommended guidelines (available on request) and taking normal precautions outlined below, there are no known adverse effects to human health.

Certain sensitive individuals and those with respiratory impairments however may experience some temporary irritation by exposure to specific components in the processing fumes.

#### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

## SECTION 3 : Composition/information on ingredients

### 3.1 Chemical characterization: Mixtures

#### Description:

**PRODUCT DESCRIPTION:** Poly Ether Imide (Base Polymer)

**TYPE OF POLYMER:** Polycondensate Product (Base Polymer)

Poly Ether Imide (CAS: 61128-46-9): 80%

Glass Fiber (CAS: 65997-17-3): 20%



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**Dangerous components:** Void

## SECTION 4 : First-aid measures

### 4.1 Description of first aid measures

**General information:** Personal protection for the First Aider.

**After inhalation:**

Not likely to be inhaled due to physical form. If dust is inhaled, move to well-ventilated area. If necessary, seek medical help.

**After skin contact:**

Flush skin thoroughly with water. Remove and wash all clothing before reuse. Seek medical attention if rash or burns occur

**After eye contact:**

Remove contact lenses. Flush eyes well with copious quantities of water or normal saline for at least 15 minutes. Seek medical attention if irritation persists

**After swallowing:**

As stated elsewhere, the product is non-toxic. However, seek medical attention if ingested. (Never give anything by mouth to an unconscious person.)

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

**EYES:** Product may cause irritation or injury due to mechanical action.

**SKIN:** Unlikely to cause skin irritation.

**INGESTION:** Not toxic

**INHALATION:** Not toxic

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

**MELT PROCESSING:**

In case of skin contact with molten plastic, cool rapidly with water. Seek medical attention. Do not use solvent for removal.

In case of irritation from inhalation of processing fumes, leave contaminated area and breathe fresh air. If coughing, difficulty in breathing or any other symptoms develop, seek medical attention, even when symptoms develop at a later time.

In case of skin contact with fume condensate, wash thoroughly with soap and water. If irritation develops, seek medical attention.

## SECTION 5 : Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:**

Water spray and foam. Water is best extinguishing medium.

**For safety reasons unsuitable extinguishing agents:**



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

#### 5.2 Special hazards arising from the substance or mixture

*No further relevant information available.*

#### 5.3 Advice for firefighters

*Wear suitable protective clothing to avoid contact with skin. Wear self-contained respiratory protective device.*

**Protective equipment:** Mouth respiratory protective device.

#### **Additional information**

**CONDITIONS OF FLAMMABILITY:** Requires a continuous flame source to ignite

**STATIC DISCHARGE:** Not sensitive to static discharge

### SECTION 6 : Accidental release measures

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

*Store material in a cool, dry area, away from excess moisture.*

#### 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water

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

*Pick up mechanically*

*Incinerate in a licensed facility. Do not discharge into waterways or sewer systems.*

#### 6.4 Reference to other sections

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

### SECTION 7 : Handling and storage

#### 7.1 Precautions for safe handling

*Follow good-standard industrial hygiene practices. Apply adequate ventilation direct to outside air. Do not inhale headspace air from the boxes. Avoid the formation of dust.*

#### **Information about protection against explosions and fires:**

*No special measures required.*

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

*Inert material under normal storage conditions.*

*No special precautions required. Keep dry for optimum processing.*

#### **Storage:**



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**Requirements to be met by storerooms and receptacles:** No special requirements.  
**Information about storage in one common storage facility:** Not required.  
**Further information about storage conditions:** None.

**7.3 Specific end use(s):** No further relevant information available.

## SECTION 8 : Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

### 8.1 Control parameters

**Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:**

**ENGINEERING CONTROLS:**

A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Processing of fume condensates may be a fire hazard and they may be hazardous; remove periodically from exhaust hoods, duct work and other surfaces using appropriate personal protection.

### 8.2 Exposure controls

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:**

Good industrial hygiene practice requires adequate general ventilation of the workplace. When dust and powder, either from handling or secondary operations, such as grinding, sanding or sawing are not adequately controlled, use respirator approved for protection from dust. When processing fumes are not adequately controlled, use respirator approved for protection from organic and acid gases.

**Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.



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*Due to missing tests no recommendation to the glove material can be given for the product/the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.*

#### **Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.*

#### **Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

#### **Eye protection:**

*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.*

#### **Body protection:**

*When handling pellets, avoid prolonged or repeated contact with skin. When melt processing product; wear long pants, long sleeves, and well-insulated gloves and face shield when applicable. Glove should be worn when handling hot material.*

## SECTION 9 : Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

<b>Appearance:</b>	Solid
<b>Form:</b>	Pellet
<b>Color:</b>	Beige
<b>Odor:</b>	No Odor
<b>Odor threshold:</b>	Not determined.

<b>pH-value:</b>	Not applicable.
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#### Change in condition

<b>Melting point/Melting range:</b>	218 °C (424.4 °F)
<b>Boiling point/Boiling range:</b>	Not applicable.

<b>Flash point:</b>	Not applicable.
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<b>Flammability (solid, gaseous):</b>	Not determined.
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<b>Ignition temperature:</b>	>550 °C (>1022 °F)
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<b>Decomposition temperature:</b>	>400 °C (>752 °F)
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<b>Auto igniting:</b>	>550 °C
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Oxidizing properties</b>	Not applicable
<b>Vapor pressure:</b>	Negligible
<b>Density:</b>	Not applicable
<b>Relative density</b>	Not applicable
<b>Vapor density</b>	Not applicable.
<b>Evaporation rate</b>	Negligible.
<b>Solubility in / Miscibility with Water:</b>	Insoluble.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>9.2 Other information</b>	Specific gravity (water=1): About 1.31 % Volatiles : Negligible

## SECTION 10 : Stability and reactivity

### 10.1 Reactivity

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

### 10.2 Chemical stability: Stable at ambient temperature and under normal conditions of use.

#### **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

### 10.3 Possibility of hazardous reactions: No dangerous reactions known.

### 10.4 Conditions to avoid:

Do not exceed melt temperatures mentioned in product literature. In order to avoid auto ignition / hazardous decomposition of hot thick masses of plastic, purging should be collected in small, flat shapes or thin strands to allow for rapid cooling and quench in water. Do not allow product to remain in barrel at elevated temperatures for extended periods of time, purge with general-purpose resin.



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**10.5 Incompatible materials:** *Incompatibility – Prolonged contact with aromatic solvents.*

**10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

## SECTION 11 : Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity:**

**Primary irritant effect:**

**On the skin:**

*According to its composition, can be considered as: Slightly irritating to skin.  
Contact with the product, when handled at high temperatures, can cause serious burns.*

**On the eye:**

*According to its composition, can be considered as: Slightly irritating to eyes.  
At high temperature, products of thermal decomposition can be irritating to eyes.*

**Sensitization:** *No sensitizing effects known.*

**Other information (about experimental toxicology):**

*Ingestion: Can be considered as: Slightly harmful by ingestion*

**Additional toxicological information:**

*The product is not subject to classification according to internally approved calculation methods for preparations:*

*When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.*

**Carcinogenic categories:**

**IARC (International Agency for Research on Cancer)**

*None of the ingredients is listed.*

**NTP (National Toxicology Program)**

*None of the ingredients is listed.*

**OSHA-Ca (Occupational Safety & Health Administration)**

*None of the ingredients is listed.*

## SECTION 12 : Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** *No further relevant information available.*

**12.2 Persistence and degradability:** *No further relevant information available*

**12.3 Bioaccumulative potential:** *No further relevant information available.*



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**12.4 Mobility in soil:** No further relevant information available.

**Additional ecological information:**

**General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable

**12.6 Other adverse effects** No further relevant information available.

## SECTION 13 : Disposal considerations

**13.1 Waste treatment methods**

**Recommendation:**

**Recycling:** This product may be recycled either back into original parts or into suitable other applications. Please consult GCL sales office for advice.

**Uncleaned packaging:**

**Recommendation:**

This product is not regarded as hazardous waste. Dispose in accordance with local regulations.

## SECTION 14 : Transport information

<b>UN-Number</b> DOT, ADR, ADN, IMDG, IATA	Not applicable
<b>UN proper shipping name</b> DOT, ADR, ADN, IMDG, IATA	Not applicable
<b>Transport hazard class(es)</b> DOT, ADR, ADN, IMDG, IATA Class	Not applicable
<b>Packing group</b> DOT, ADR, IMDG, IATA	Not applicable
<b>Environmental hazards:</b>	Not applicable.
<b>Special precautions for user</b>	Not applicable.



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<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	Not applicable

#### SECTION 15 : Regulatory information

##### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

###### Sara

**Section 355 (extremely hazardous substances):** Substance is not listed.

**Section 313 (Specific toxic chemical listings):** Substance is not listed.

**TSCA (Toxic Substances Control Act):** Substance is not listed.

###### Proposition 65

**Chemicals known to cause cancer:** Substance is not listed.

**Chemicals known to cause reproductive toxicity for females:** Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:** Substance is not listed.

**Chemicals known to cause developmental toxicity:** Substance is not listed.

###### Carcinogenic categories:

**EPA (Environmental Protection Agency):** Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH):** Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health):**

Substance is not listed.

**GHS label elements:** Void

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:** Void

##### 15.2 Chemical safety assessment: A Chemical Safety Assessment is not applicable

#### SECTION 16 : Other information

The publication provides information and guidelines for safe handling and processing of GCL's resins and is based on current available experience and knowledge. It is not designed as a comprehensive product performance data sheet or as a guide to application possibilities of your materials.

Users should follow all applicable local regulations governing Health and Safety at work and are requested to pass this publication on to all relevant employees and customers.

**Department issuing SDS:** Product safety department.

**Date of preparation / last revision** 11/09/2024 / -

**Abbreviations and acronyms:**



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*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*DOT: US Department of Transportation*

*IATA: International Air Transport Association*

*ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA)*

*HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU)*

*PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health*

*TLV: Threshold Limit Value*

*PEL: Permissible Exposure Limit*

*REL: Recommended Exposure Limit*

**Sources** - SDS Gharda Chemicals Ltd.,

**Data compared to the previous version altered.**

- Section 1: Identification of the substance/mixture and of the company/undertaking
- Section 2: Hazard Identification
- Section 3: Composition/information on ingredients
- Section 4: First-aid measures.
- Section 5: Fire-fighting measures
- Section 6: Accidental Release measures
- Section 7: Handling and storage.
- Section 8: Exposure Controls/Personal protection.
- Section 9: Physical and Chemical properties.
- Section 10: Stability and Reactivity
- Section 11: Toxicological Information.
- Section 12: Ecological Information.
- Section 13: Disposal consideration
- Section 14: Transport information
- Section 15: Regulatory information
- Section 16: Other information

#### **Disclaimer**

*The information provided in this Material Safety Sheet is correct to the best of our knowledge, information and belief at the date of publication. This MSDS does not purport to be all inclusive and shall be used only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the designated specific material and*

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## Safety Data Sheet

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*may not be applicable if such material is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. The company shall not be held liable for any damage resulting from handling or from contact with the above product.*