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# SAFETY DATA SHEET (SDS)

## GPO-3

*Prepared in accordance with the Globally Harmonized System (GHS) and Safe Work Australia requirements.*

### SECTION 1: IDENTIFICATION

- **Product Name:** GPO-3
- **Recommended Use:** Electrical insulation panel; flame-retardant structural sheet for switchboards, transformers, and industrial electrical assemblies
- **Details:**
    - **Company:** MISCO Australia
    - **Address:** 89 -91 Licola Crescent, Dandenong South, VIC 3175
    - **Telephone Number:** 03 9706 5185
    - **Emergency Contact Number:** 000
    - **Poisons Information Centre**: 13 11 26 (Australia)
- **SDS Number:** MISCO – SDS - 011
- **SDS Version:** 1

### SECTION 2: HAZARD(S) IDENTIFICATION

- **GHS Classification:** Not classified as hazardous under GHS criteria in solid form.

Component classifications have been reviewed with reference to the **Safe Work Australia Hazardous Chemical Information System (HCIS)**.

- **GHS Label Elements:**
    - **Signal Word:** None required.
    - **Hazard Pictograms:** None required.
    - **Hazard Statements:**
        - Not classified as hazardous under normal conditions of use.

- Dust generated during machining or cutting may cause mechanical irritation to eyes, skin, and lungs.
- Fire or thermal decomposition may release toxic vapours (e.g. formaldehyde, CO).

- **Precautionary Statements:**
  - P261: Avoid breathing dust.
  - P271: Use only outdoors or in well-ventilated areas.
  - P280: Wear protective gloves, clothing, and eye/face protection during processing.
  - P285: In case of inadequate ventilation, wear respiratory protection.
  - P501: Dispose of contents/container in accordance with local regulations.

- **Other Hazards:**
  - Cured sheets are inert but machining or high-heat exposure may release airborne fibrous particles and thermal degradation products (e.g. aldehydes, phenols).
  - Not classed as respirable crystalline silica, but general inhalation of dust should be avoided.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** *Mixture – Cured thermoset composite manufactured from polyester resin, reinforcing glass fibre mat, and inert mineral fillers.*

| Ingredient Name | CAS Number | Proportion (% w/w) | Classification (GHS) |
|---|---|---|---|
| Unsaturated Polyester Resin (cured) | Proprietary | 35–45% | Not classified in cured form |
| E-glass Fibre (non-respirable) | 65997-17-3 | 40–50% | May cause mechanical irritation (dust) |
| Inorganic Fillers (e.g. alumina trihydrate, silica, calcium carbonate) | Various | 10–20% | Not hazardous in solid form |
| Additives and Pigments (e.g. flame retardants, colourants – encapsulated) | Proprietary | <2% | Not classified – bound in cured matrix |

**Note:** The product is a fully cured, non-reactive **article** under REACH and GHS definitions. It does not contain free monomers or unreacted resin.

## SECTION 4: FIRST AID MEASURES

### Description of Necessary First Aid Measures:

- **Inhalation:**
  If dust from machining is inhaled, remove affected person to fresh air. Allow them to rest and keep warm. Seek medical attention if symptoms such as coughing, throat irritation, or shortness of breath persist.
- **Skin Contact:**
  Wash affected area thoroughly with mild soap and water. Do not rub the skin if fibreglass irritation is suspected. Remove contaminated clothing and launder before reuse. Seek medical attention if irritation persists.
- **Eye Contact:**
  Rinse eyes cautiously with clean water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Continue rinsing and seek medical attention if discomfort continues.
- **Ingestion:**
  Ingestion of solid GPO-3 material is unlikely under normal use. If material is swallowed, rinse mouth and seek medical advice. Do not induce vomiting unless directed by medical personnel.

### Symptoms Caused by Exposure:

- **Acute:**
  - Dust from cutting or machining may cause mechanical irritation to the eyes, skin, and upper respiratory tract.
  - May cause temporary itching, coughing, or dryness in the nose and throat.
- **Delayed / Chronic:**
  - Prolonged or repeated inhalation of fibrous dust may cause respiratory discomfort in sensitive individuals.
  - No known systemic health effects from cured material in normal use.

### Medical Attention and Special Treatment Needed:

- Treat symptomatically.
- No specific antidote is known.
- Symptomatic treatment of irritation is usually sufficient.
- Monitor for signs of respiratory distress in cases of significant dust inhalation.

## SECTION 5: FIREFIGHTING MEASURES

### Suitable Extinguishing Media:

- Water spray or fog
- Dry chemical powder (ABC)
- Foam (AFFF or Class B)
- Carbon dioxide ($CO_2$)

***Note:*** *Select extinguishing media appropriate for surrounding materials. GPO-3 itself does not sustain combustion.*

### Unsuitable Extinguishing Media:

- High-pressure water jets (may scatter burning debris if adjacent materials are involved)

### Specific Hazards Arising from the Material:

- GPO-3 is a self-extinguishing thermoset composite, UL 94 V-0 rated.
- Under direct flame or temperatures above 200°C, thermal decomposition may occur.
- Hazardous combustion products may include:
    - Carbon monoxide (CO)
    - Carbon dioxide ($CO_2$)
    - Formaldehyde
    - Phenolic and organic vapours
    - Dense black smoke
- Smoke inhalation may cause respiratory distress; avoid exposure.

### Special Protective Equipment and Precautions for Firefighters:

- Wear self-contained breathing apparatus (SCBA) and full protective firefighting gear.
- Approach fire from upwind and evacuate area if fumes are visible.
- Avoid inhaling combustion gases and vapours – toxic when decomposed.

**Hazchem Code (AU):**

- Not assigned – material is not classified as a dangerous good.
- Standard procedures for Class A fire loads (non-flammable solids) apply.

**Fire and Explosion Hazards:**

Non-flammable in solid form. Will not propagate flame. Material is self-extinguishing once ignition source is removed.

**Protective Equipment for Firefighters:**

Full protective gear and self-contained breathing apparatus (SCBA)

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

- Avoid generating dust during handling of broken pieces or machining residues.
- Wear appropriate PPE including P2 dust mask, safety glasses, and gloves.
- Ensure adequate ventilation in enclosed or indoor areas.
- Avoid contact with eyes, skin, and clothing.

**Environmental Precautions:**

- Prevent dust and debris from entering stormwater drains or natural waterways.
- Collect and contain solid material; do not hose to waste or sewer.
- Not classified as environmentally hazardous, but general good practice should be followed.

**Methods and Materials for Containment and Cleaning Up:**

- Collect fragments and off-cuts manually or with mechanical tools.
- Use a HEPA-filtered vacuum or wet sweeping for fine dust; avoid dry sweeping.
- Dispose of collected material in accordance with local regulations (see Section 13).
- Wash area with water after bulk clean-up to remove remaining particulates.

**Reference to Other Sections:**

- See Section 8 for personal protective equipment.
- See Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling:**

- Avoid generating dust during cutting, drilling, or sanding.
- Use local exhaust ventilation or dust extraction systems when machining.
- Do not eat, drink, or smoke while handling or working with the material.
- Handle with gloves to avoid fibre irritation.
- Maintain good housekeeping to minimise accumulation of dust.
- Wash hands and exposed skin thoroughly after handling.

**Conditions for Safe Storage, Including Any Incompatibilities:**

- Store in a cool, dry, well-ventilated area away from direct sunlight and moisture.
- Keep sheets flat and supported to avoid warping or mechanical stress.
- Do not stack heavily without protective spacers or framing.
- Protect from open flame, heat sources, and incompatible chemicals such as strong acids or oxidisers.
- Ensure area is clearly marked and access is limited to trained personnel.

**Storage Class (AS/NZS 5026 or Equivalent):**

- Not applicable – not a hazardous chemical for bulk classification.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters – Occupational Exposure Limits (OELs):

- Inhalable dust (particulates not otherwise classified): TWA 10 mg/m$^3$ (Safe Work Australia)
- Glass fibre (non-respirable, nuisance dust): TWA 1 fibre/mL (Safe Work Australia)
- No specific exposure standard exists for fully cured GPO-3 as a solid sheet.

### Appropriate Engineering Controls:

- Use local exhaust ventilation or LEV systems when cutting, drilling, or sanding.
- Enclose machining operations where possible to contain airborne dust.
- Provide adequate general ventilation in processing areas.
- Install dust extraction with HEPA filtration where high-speed machining is performed.
- Avoid accumulation of dust in the work environment

### Personal Protective Equipment (PPE):

### Respiratory Protection:

- Use a P2-class disposable or reusable respirator compliant with AS/NZS 1716 during cutting, sanding, or handling dust.
- Required where airborne dust concentrations exceed exposure limits or ventilation is inadequate.

### Eye and Face Protection:

- Wear safety glasses with side shields or a face shield to protect against flying particles and dust.
- Required during machining, sawing, and cleanup of debris.

### Skin Protection:

- Wear nitrile, leather, or general-purpose gloves to avoid skin contact with dust or fibreglass.
- Long-sleeved clothing recommended to minimise skin irritation.

**Hygiene Measures:**

- Do not eat, drink, or smoke in areas where this material is handled or machined.
- Wash hands and forearms thoroughly after handling or machining.
- Remove contaminated clothing and launder before reuse.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Property | Value |
|---|---|
| **Appearance** | Solid, rigid sheet; white or red colour; smooth finish |
| **Colours** | Red (Standard), White (Standard), other colours on request. |
| **Odour** | Odourless in solid form |
| **Odour Threshold** | Not applicable |
| **pH** | Not applicable (insoluble solid) |
| **Melting Point / Freezing Point** | Not applicable – thermoset polymer |
| **Boiling Point / Boiling Range** | Not applicable |
| **Flash Point** | Not applicable – non-volatile solid |
| **Flammability (solid, gas)** | Non-flammable; self-extinguishing (UL 94 V-0) |
| **Upper/Lower Flammability or Explosive Limits** | Not applicable |
| **Vapour Pressure** | Not applicable |
| **Vapour Density** | Not applicable |
| **Relative Density (Specific Gravity)** | 1.85 – 2.00 ($g/cm^3$) |
| **Solubility (Water)** | Insoluble |
| **Partition Coefficient (n-octanol/water)** | Not applicable |
| **Auto-Ignition Temperature** | > 400°C (estimated for organic matrix) |
| **Decomposition Temperature** | > 200°C (may release formaldehyde and CO if exceeded) |
| **Viscosity** | Not applicable – solid material |
| **Explosive Properties** | Not explosive |
| **Oxidising Properties** | Not oxidising |
| **Surface Finish** | Moulded matte or smooth depending on processing |
| **Thermal Conductivity** | ~0.3 W/mK (typical for filled thermosets) |

**Additional Notes:**

- The physical properties described above refer to the fully cured sheet form of GPO-3 and are not relevant for any uncured raw material, which is not present in MISCO Australia products.
- All thermal values are based on material system data and may vary slightly with filler load and processing.

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:**

- Product is chemically inert and stable under normal ambient conditions.
- No known hazardous reactivity when stored and handled as directed.
- No polymerisation, oxidation, or degradation expected under standard conditions.

**Chemical Stability:**

- Thermoset material is fully cured and chemically stable.
- Will not degrade or decompose under normal storage and processing conditions.
- Stability may be affected at temperatures exceeding 200°C.

**Hazardous Reactions:**

- **None expected** under normal use, machining, or service temperatures.
- No hazardous polymerisation, combustion, or cross-reaction occurs in cured form.
- Incompatible chemical environments (e.g. strong acids) may cause surface degradation, but not hazardous reaction.

**Conditions to Avoid:**

- **Excessive heat (>200°C):** may lead to thermal decomposition.
- **Open flame or direct fire exposure:** may degrade resin and release gases.
- **Poor ventilation during cutting or machining:** risk of dust accumulation and respiratory irritation.

**Incompatible Materials:**

- Strong oxidising agents (e.g. peroxides, nitric acid)
- Strong acids and bases (e.g. hydrochloric acid, caustic soda)
- Organic solvents with aggressive swelling properties (e.g. acetone, MEK) – not reactive but may compromise physical integrity over time.

**Hazardous Decomposition Products:**

When exposed to open flame or decomposition temperatures (>200°C), the product may release:

- Carbon monoxide (CO)
- Carbon dioxide ($CO_2$)
- Formaldehyde vapours (trace, thermal decomposition)
- Phenolic compounds
- Acrid smoke or aldehyde-like odours

## SECTION 11: TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:**

- **Inhalation:** Dust generated during cutting, drilling, sanding, or machining may be inhaled.
- **Skin Contact:** Physical contact with dust or fibres may result in irritation or itching.
- **Eye Contact:** Dust may cause mechanical irritation.
- **Ingestion:** Unlikely under normal industrial use. Not considered a common route of exposure.

**Acute Effects:**

- **Inhalation:** Dust may irritate nasal passages, throat, and upper respiratory tract. Symptoms include coughing, dryness, or discomfort. Symptoms are typically temporary and resolve after exposure ceases.
- **Skin Contact:** May cause mechanical irritation (itchiness, redness) due to fibrous particles. No chemical burns or corrosion expected.
- **Eye Contact:** Particulate matter can cause redness, watering, and foreign body sensation. No permanent damage is anticipated if treated promptly.

- **Ingestion:** Ingestion of cured product is not expected to cause significant health effects. If dust is swallowed, mild gastrointestinal discomfort may occur.

**Chronic Effects:**

- Prolonged or repeated inhalation of respirable dust may contribute to chronic respiratory irritation or discomfort in sensitive individuals.
- No evidence of chronic systemic toxicity from cured GPO-3 material under normal handling conditions.
- Product is not expected to cause dermatitis or allergic reactions.

**Toxicity Data (for reference components):**

| Component | Toxicity Data |
|---|---|
| **Glass Fibres (E-glass)** | Not classifiable as to carcinogenicity (IARC Group 3); not respirable in this product form |
| **Formaldehyde (trace thermal by-product)** | IARC Group 1 – Carcinogenic to humans (only released upon thermal degradation above 200°C) |
| **Polyester Resin (cured)** | Non-toxic in cured form; inert solid |

**Information on Toxicological Effects (GHS Criteria):**

| | |
|---|---|
| **Acute Toxicity** | Not classified – no known toxicity in solid state |
| **Skin Corrosion/Irritation** | Not corrosive; dust may cause mild irritation |
| **Serious Eye Damage/Irritation** | Mechanical irritation only – not corrosive |
| **Respiratory/Skin Sensitisation** | Not expected to be a sensitiser |
| **Germ Cell Mutagenicity** | Not expected |
| **Carcinogenicity** | No known risk from cured product; see formaldehyde warning for thermal degradation |
| **Reproductive Toxicity** | Not expected |
| **STOT – Single Exposure** | May cause temporary respiratory irritation due to dust |
| **STOT – Repeated Exposure** | Not classified |
| **Aspiration Hazard** | Not applicable – solid form only |

**Additional Notes:**

- No ingredient in its cured form is classified as hazardous according to Safe Work Australia or WHS Code of Practice for Hazardous Chemicals.
- Proper machining controls (ventilation, dust collection) eliminate most exposure risks.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:**

GPO-3 Sheet is a fully cured thermoset composite material that is not classified as hazardous to the environment in its solid form.

- **Aquatic Toxicity:** No known aquatic toxicity. Product is insoluble in water and not expected to release harmful substances in natural waters under normal use.
- **Terrestrial Toxicity:** Inert in soil; not phytotoxic or bioactive. No risk to vegetation or soil microflora in its solid state.
- **Effect on Wastewater Treatment:** Not expected to interfere with biological treatment processes. Dust should not be discharged into wastewater systems.

**Persistence and Degradability:**

- GPO-3 is a non-biodegradable thermoset polymer and will persist in the environment.
- Does not readily undergo hydrolysis, photolysis, or microbial degradation.
- Will not break down under normal environmental conditions.

**Bioaccumulative Potential:**

- This product has no potential for bioaccumulation.
- Polyester resin matrix and glass reinforcement are not absorbed by aquatic or terrestrial organisms.
- No measurable bio-concentration factor (BCF) is relevant.

**Mobility in Soil:**

- Solid and immobile.
- Insoluble in water; unlikely to leach into groundwater or move through soil.
- Mechanical particles may accumulate in soil or sediment but will not migrate chemically.

**Other Adverse Effects:**

- Does not contain ozone-depleting substances (ODS).
- Halogen-free per IEC 61249-2-21 — lower environmental hazard in fire events or end-of-life thermal processing.
- Incineration under controlled conditions will release only CO, $CO_2$, and trace combustion products.
- No volatile organic compound (VOC) release during normal handling or use.

**Summary Statement:**

GPO-3 poses negligible ecological risk under intended industrial or commercial use. Its inert nature, resistance to degradation, and lack of hazardous leachates make it suitable for use in controlled environments and low-risk waste disposal systems.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:**

GPO-3 Sheet is an inert, non-hazardous thermoset composite in its fully cured state. It does not pose a chemical hazard during disposal but may generate fibrous dust during cutting or handling.

- **Disposal of Off-Cuts and Scrap:**
    - Off-cuts, end-of-life panels, and unused material should be collected and disposed of as **non-hazardous industrial waste**.
    - Disposal should be conducted in accordance with local, state, or national waste regulations.
    - Landfill disposal is appropriate under **solid inert waste** classification in most jurisdictions.
- **Dust and Fines from Machining:**
    - Dust collected via vacuum or filtration systems should be disposed of as **industrial dry waste**.
    - Do not dispose of fibre-rich dust into stormwater or open drains.
    - Avoid uncontrolled airborne release, bag dust securely before disposal.

- **Incineration:**
    - Controlled incineration is possible at approved thermal treatment facilities.
    - Material will degrade into carbon dioxide, water vapour, and trace levels of aldehydes and phenolics.
    - **Note:** Incineration must be conducted in facilities with adequate emissions control.
- **Recycling:**
    - Material is not recyclable via standard plastics recycling streams due to thermoset chemistry.
    - Some energy recovery facilities may accept cured GPO-3 as part of composite fuel programs.

**Disposal of Contaminated Packaging:**

- Packaging such as plastic wrapping, timber pallets, or protective board can be **reused, recycled, or disposed of as general waste** if uncontaminated.
- Dust-contaminated packaging should be securely bagged and landfilled.

**Special Precautions for Disposal:**

- Always wear appropriate PPE when handling waste from machining (dust mask, gloves, safety glasses).
- Prevent uncontrolled dispersion of dust during clean-up.
- Ensure waste bins and containers are clearly labelled.

**Regulatory References:**

- Complies with the Environment Protection Act 2017 (VIC) and applicable state/territory environmental legislation.
- Not classified as hazardous waste under the Australian Dangerous Goods (ADG) Code.
- Classified as a manufactured article and exempt from GHS disposal classification.

## SECTION 14: TRANSPORT INFORMATION

- **UN Number:** Not applicable – Not classified as a dangerous good.
- **Proper Shipping Name:** Not regulated for transport – GPO-3 Sheet is considered a manufactured article and non-hazardous in transit.
- **Transport Hazard Class:**
    - **ADG Code (Road/Rail):** Not classified.
    - **IMDG Code (Sea):** Not classified.
    - **IATA/ICAO (Air):** Not classified.
- **Packing Group:** Not applicable
- **Environmental Hazards:**
    - **Marine Pollutant:** No
    - **Hazardous to the Aquatic Environment**: No
    - Product is inert and non-reactive in solid form.
- **Special Precautions:**
    - Ensure sheets are securely stacked, strapped, or crated during handling and transit to prevent movement or warping.
    - Avoid excessive stacking that could cause sheet distortion or damage.
    - Dust from cutting or trimming should be contained before transport.
- **Transport in Bulk (Annex II of MARPOL 73/78 and IBC Code):** Not applicable – not transported in bulk as per MARPOL or IBC classifications.
- **Marine Pollutant:** GPO-3 is **not classified as a marine pollutant** under the IMDG Code. It is a **solid, inert thermoset composite** that does not leach hazardous substances, is **insoluble in water**, and **poses no risk to aquatic ecosystems** during normal transport, even in the event of accidental release.
- **Additional Transport Information:**
    - No labelling or placarding is required.
    - No special documentation, handling, or transport authorisation is required.
    - Standard palletised freight is sufficient.
    - Treated as general freight or building material.

## SECTION 15: REGULATORY INFORMATION

**Safety, health, and environmental regulations specific to the product**

- **Classified in accordance with the Globally Harmonized System (GHS)** and the **Model Work Health and Safety (WHS) Regulations**.

  GPO-3 Sheet, in its fully cured solid form, is **not classified as hazardous** under GHS criteria when used, stored, or handled as intended.
- **Relevant component hazard data** has been sourced from the **Safe Work Australia Hazardous Chemical Information System (HCIS)**, including:
  - Glass fibre (CAS 65997-17-3): Not hazardous in non-respirable, cured composite form.
  - Polyester resin (fully cured): Not classified as hazardous under WHS.
  - Formaldehyde (possible trace emission from thermal decomposition): Classified by IARC as Group 1 carcinogen; **not present** in the product as supplied.
- **Australian Inventory of Industrial Chemicals (AIIC):**

  All known components are listed or exempt as part of a manufactured article.
- **Poisons Standard (SUSMP):**

  Not scheduled.
- **ADG Code (7.7):**
  Not classified as a Dangerous Good for land transport.
- **International Compliance:**
  - **REACH (EU):** Exempt (article, not subject to registration)
  - **RoHS (EU):** Compliant – no restricted substances above thresholds
  - **UL Recognition:** UL 94 V-0 flame rating (File E344098)
  - **TSCA (USA):** Components listed or exempt.
  - **IEC 61249-2-21:** Halogen-free compliant
  - **IARC:** Formaldehyde classified as Group 1 only if released through thermal breakdown.

## SECTION 16: OTHER INFORMATION

| Information | Details |
|---|---|
| **SDS Preparation Date:** | 01.12.2024 |
| **Revision Number:** | 1.0 |
| **Review Date:** | 24 months or upon regulatory update (whichever occurs first) |
| **Prepared By:** | MISCO Australia Pty Ltd |
| **Abbreviations:** | **GHS**: Globally Harmonised System of Classification and Labelling of Chemicals<br>**AIIC:** Australian Inventory of Industrial Chemicals<br>**ADG:** Australian Dangerous Goods Code<br>**WHS:** Work Health and Safety<br>**PPE:** Personal Protective Equipment<br>**$LC_{50}$ / $LD_{50}$:** Median lethal concentration/dose<br>**SVHC**: Substance of Very High Concern<br>**UL:** Underwriters Laboratories<br>**TWA**: Time-Weighted Average<br>**REACH:** Registration, Evaluation, Authorisation and Restriction of Chemicals.<br>**RoHS:** Restriction of Hazardous Substances Directive<br>**IEC:** International Electrotechnical Commission<br>**NEMA:** National Electrical Manufacturers Association.<br>**MIL-I-24768:** U.S. Military Specification for Insulating Plastics.<br>**RTI:** Relative Thermal Index.<br>**SCBA:** Self-Contained Breathing Apparatus<br>**VOC:** Volatile Organic Compounds<br>**HEPA:** High-Efficiency Particulate Air filtration dust extraction and ventilation systems.<br>**LEV:** Local Exhaust Ventilation |
| **Key References:** | **Safe Work Australia (SWA)** – Code of Practice for the Preparation of Safety Data Sheets (May 2021).<br>**Globally Harmonised System (GHS), 7th Edition** – United Nations Economic Commission for Europe (UNECE).<br>**Australian Dangerous Goods (ADG) Code, Edition 7.7** – National Transport Commission (NTC).<br>**Industrial Chemicals Act 2019** – Australian Industrial Chemicals Introduction Scheme (AICIS). |

| | |
|---|---|
| | **National Occupational Health and Safety Commission (NOHSC)** – Exposure Standards for Atmospheric Contaminants in the Occupational Environment.<br>**IEC 60893** – Insulating Materials – Industrial Rigid Laminates – Definitions and Designation (EPGC204).<br>**NEMA LI-1** – Industrial Laminated Thermosetting Products – G11 and FR5 Grades.<br>**MIL-I-24768** – Military Specification for Insulating Plastics (Types GEB-G and GEB-F).<br>**UL 94** – Standard for Safety of Flammability of Plastic Materials for Parts in Devices and Appliances.<br>**REACH Regulation (EC) No. 1907/2006** – Registration, Evaluation, Authorisation and Restriction of Chemicals.<br>**RoHS Directive (EU) 2015/863** – Restriction of Hazardous Substances in Electrical and Electronic Equipment.<br>**ISO 9001 & ISO 14001** – Quality and Environmental Management Systems (applicable to certified suppliers).<br>**MISCO Australia Pty Ltd** – Internal Material Compliance and Product Data Records (2025). |
| **Emergency Contact:** | **Australia – Emergency Services**: 000<br>**Poisons Information Centre:** 13 11 26<br>**MISCO Australia Pty Ltd:** +61 3 9706 5185 |

**Additional Notes:**

- This SDS is intended to provide general safety and handling information applicable to GPO-3 in its **solid, fully cured state**.
- It does not cover risks associated with use of the product **at temperatures exceeding 200°C**, **open flame exposure**, or **improper machining without ventilation**.
- This SDS should be read in conjunction with technical data sheets (TDS), risk assessments, and site-specific control procedures.

**DISCLAIMER**

*The information contained in this Safety Data Sheet (SDS) is provided by MISCO Australia in good faith and is believed to be accurate and reliable as of the date of issue. The information is based on current knowledge and is intended to describe the product solely in terms of health, safety, and environmental requirements. It does not represent any guarantee of the product's properties or suitability for a specific application.*

*This SDS is intended as a guide for the safe handling, use, storage, transport, and disposal of the material. It is the responsibility of the user to assess the suitability of the material for any intended purpose and to ensure that working conditions comply with applicable laws, standards, and safety practices.*

***Important Notes:***

- *MISCO Australia makes no warranties, express or implied, and assumes no liability for the accuracy or completeness of the data or for any damages resulting from the use of the product or the information provided in this SDS.*
- *This document is not intended to serve as a substitute for proper training, risk assessment, or professional judgement in the use of chemical and composite materials.*
- *Users must ensure that they understand and comply with all local, state, and federal regulations, as well as workplace safety procedures when handling this product.*
- *Where this material is used as part of a larger system or process, additional hazards may exist that are not covered in this SDS. It is the user's responsibility to assess the entire context in which the product is used.*

*MISCO Australia reserves the right to revise Safety Data Sheets in response to new information, changes in legislation, or updated risk assessments without prior notice. The most current version of this SDS supersedes all previous versions and should be consulted before each use of the product.*

| Revision | Date Issued | Prepared / Reviewed By | Description of Change | Approved By |
|---|---|---|---|---|
| 1.0 | 01/12/2024 | MISCO Australia | Initial release of Safety Data Sheet for GPO-3 | Director, MISCO Australia |

**Document Control:**

- **Document Title:** GPO-3
- **Document ID:** MISCO – SDS - 011
- **Issue Date:** 14.8.2025.
- **Revision:** 1.0
- **Review Cycle:** 24 months or upon regulatory update (whichever occurs first)

## END OF SAFETY DATA SHEET.