

MANUFACTURING SINCE 1957 • ISO 9001:2015

Glass Grades

Safety Data Sheet — Glass-Epoxy Fabric Laminate

GRADES

G-3 • G-5 • G-7 • G-9
G-10 • FR4 • G-11

REVISED

2026-01-12

PRODUCT AS SHIPPED

Not hazardous. Not regulated for transportation. No specific storage considerations, no reportable hazardous ingredients.

AFTER MACHINING OR THERMAL DECOMPOSITION

Dust and fumes may irritate skin, eyes and the respiratory tract, and may form combustible dust concentrations in air.

1 Identification

Product Name

G-3, G-5, G-7, G-9, G-10, FR4, G-11

Other / Generic Names

Glass-Epoxy Fabric Laminate

Recommended Use

Industrial Use of Thermoset Laminate

Manufacturer

Atlas Fibre Company, 3411 Woodhead Drive, Northbrook, IL 60062

Emergency Contact

Product as shipped is **NOT** hazardous and is **NOT** regulated for transportation. For non-transportation emergencies, contact authorities as required by conditions.

2 Hazard(s) Identification

GPS Hazard Classification. No hazards are associated with this product as shipped. Hazards are associated with product only after further processing (machining, punching) or after thermal decomposition.

Glass Grades

Classification

Dust from processing or fumes from thermal decomposition

- **Health** — Specific target organ toxicity, single exposure, 3
- **Health** — Skin corrosion / irritation, 2
- **Health** — Eye damage / irritation, 2B
- **Physical** — Combustible dust

Hazard Pictogram



GHS07 — EXCLAMATION MARK

Not applicable for product as shipped. Applies to dust generated from further processing or fumes generated from thermal decomposition. Combustible dust carries no GHS pictogram.

Signal Word

WARNING

Not applicable for product as shipped. Applies to dust generated from further processing or fumes generated from thermal decomposition.

Hazard Statement(s)

Not applicable for product as shipped. For dust generated from further processing or fumes generated from thermal decomposition:

- May cause respiratory irritation
- Causes skin irritation
- Causes eye irritation
- May form combustible dust concentrations in air

Precautionary Statement(s)

Prevention

For dust generated from further processing or fumes generated from thermal decomposition: wear protective gloves and clothing to avoid dust contact with skin, wear protective glasses to avoid dust contact with eyes, avoid breathing dust or fumes, and process only when adequate ventilation and dust controls are in place.

Precautionary Statement(s)

Response

For dust generated from further processing or fumes generated from thermal decomposition:

- If on skin, wash thoroughly with water. If skin irritation persists, consult a physician.

- Remove contaminated clothing and wash before reuse.
- If in the eyes, irrigate cautiously with flowing water for 15 minutes, removing contact lenses when applicable. If eye irritation persists, consult a physician.
- If overcome by dust or fumes, relocate to fresh air and keep comfortable while breathing.
- Consult a physician if not breathing or if feeling unwell.
- If dust becomes airborne, reduce levels below concentrations required to cause explosive conditions.

Storage

The product as shipped requires no specific storage considerations.

Disposal

The product as shipped is not considered hazardous. Be sure to follow all local, state, and federal regulations when considering a disposal method.

3 Composition / Information on Ingredients

No hazardous ingredients at reportable levels are present in the product as shipped.

4 First Aid Measures

For dust generated from further processing or fumes generated from thermal decomposition:

- If on skin, wash thoroughly with water. If skin irritation persists, consult a physician. Remove contaminated clothing and wash before reuse.
- If in the eyes, irrigate cautiously with flowing water for 15 minutes, removing contact lenses when applicable. If eye irritation persists, consult a physician.
- If overcome by dust or fumes, relocate to fresh air and keep comfortable while breathing. Consult a physician if not breathing or if feeling unwell.
- **Advice to physician** — treat symptomatically.

5 Fire Fighting Measures

May give off toxic gases — hydrogen bromide, CO and CO₂ — when burning or heated to the point of thermal decomposition. Fire fighters should wear proper protective equipment and positive pressure self-contained breathing apparatus. Use water, CO₂ or dry chemicals to fight fire.

6 Accidental Release Measures

Material shipped is in solid form. Accidental release is not normally a consideration.

7 Handling and Storage

Handle only with proper protective equipment, or in environments where adequate ventilation is available to avoid exposure to dust and fumes and which can reduce airborne concentrations to levels sufficiently low to avoid combustion. The product as shipped requires no specific storage considerations.

8 Exposure Controls / Personal Protection

Use local exhaust ventilation to control dust. Use protective gloves and protective clothing if dust will come in contact with skin. Use protective glasses if dust will come in contact with the eyes. If dust exposure will exceed exposure guidelines, use an approved dust respirator.

EXPOSURE GUIDELINES

Ingredient	CAS #	ACGIH TLV	OSHA PEL (TWA)
Fibrous Glass Dust	65997-17-3	10 mg/m ³	None

9 Physical and Chemical Properties

Form	Solid, flat sheet or rod; color dependent on pigment
Odor (if any)	No data
Specific Gravity	No data

10 Stability and Reactivity

This product is stable under expected handling and storage conditions. Incompatibilities have not been determined. If heated in excess of 300 °C, products of combustion could include hydrogen bromide gas, CO and CO₂.

11 Toxicological Information

No data available.

12 Ecological Information

No data available.

13 Disposal Considerations

Product as shipped is **NOT** considered a RCRA hazardous waste. However, disposal must be made in accordance with all local, state and federal regulations.

14 Transport Information

Product as shipped is **NOT** a DOT regulated material.

15 Regulatory Information

PROPOSITION 65 STATEMENT

Atlas Fibre reviews supplier Safety Data Sheets and available manufacturing information for materials supplied. Based on this review and on reasonably foreseeable use, finished machined products do not require a Proposition 65 warning under normal handling and use.

Certain raw materials, sheets, or panels may require a Proposition 65 warning if they are cut, drilled, sanded, or otherwise machined, as these activities may generate dust that could result in exposure to listed substances. Where applicable, appropriate Proposition 65 warnings are provided in accordance with California law.

Proposition 65 determinations are made based on information available at the time of shipment and applicable regulatory requirements.

For general information about Proposition 65, visit www.P65Warnings.ca.gov.

16 Other Information

Revision Date 2026-01-12

ISO 9001:2015 CERTIFIED