

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form	: Mixture
Product name	: Sandwich Panels Composed of Fiberglass Fabric-Reinforced Phenolic Facing Skins Bonded to A Nomex Aramid Honeycomb Core
Product code	: 115
Other means of identification	: GILLFAB 5071A, B, C; 5072A, B, C; 5074; 5075; 5075C; 5075D; 5075T; 5077C; 5077E; 5076D; 5076C; 5078; 5080C; 5080D

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

Use of the substance/mixture	: Versatile Panels typically used for aircraft interior
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1.3. Details of the supplier of the safety data sheet

The Gill Corporation
4056 Easy Street
El Monte, CA 91731
www.thegillcorp.com

1.4. Emergency telephone number

Emergency number	: CHEMTREC: 1-800-424-9300
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SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (GHS-US)**

Muta. 2 H341
Carc. 1A H350
Repr. 2 H361

Full text of H-phrases: see section 16

2.2. Label elements**GHS-US labeling**

Hazard pictograms (GHS-US)



GHS08

Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H341 - Suspected of causing genetic defects (Inhalation) H350 - May cause cancer (Inhalation) H361 - Suspected of damaging fertility
Precautionary statements (GHS-US)	: P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P280 - Wear face protection, protective gloves P308 + P313 - If exposed or concerned: Get medical advice/attention P405 - Store locked up P501 - Dispose of contents/container to comply with local/regional/national/international regulations

2.3. Other hazards

Other hazards not contributing to the classification	: As packaged, this material does not present significant health hazards. The hazards below apply to the product if aerosols or dusts are generated from cutting, grinding, or pulverizing. Constituents in this product are considered nuisance particles or dust. Exposure to dusts or powders may cause mechanical irritation of the respiratory system, eyes, and skin.
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2.4. Unknown acute toxicity (GHS-US)

Not applicable

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Fiberglass	(CAS No) 65997-17-3	20 - 50	Carc. 1B, H350
Flame retardant	Proprietary	5 - 11	Muta. 2, H341 Carc. 1A, H350 Repr. 2, H361

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If exposed to dusts: Remove person to fresh air. If person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.
- First-aid measures after skin contact : Wash exposed area with soap and water. DO NOT rub or scratch irritated area. If fiberglass becomes imbedded, seek medical attention
- First-aid measures after eye contact : Immediately flush with large amounts of water, holding eyelids open, for at least 20 minutes. Repeat if necessary. Remove contact lenses, if present and easy to do. Seek medical assistance if irritation persists.
- First-aid measures after ingestion : Not an anticipated route of entry. Avoid ingestion of dusts. Treat symptomatically.

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

- Symptoms/injuries : As packaged, this material does not present significant health hazards. The hazards below apply to the product if aerosols or dusts are generated from cutting, grinding, or pulverizing.
- Symptoms/injuries after inhalation : Inhalation of dust may result in itching and upper respiratory tract irritation.
- Symptoms/injuries after skin contact : Dusts and particulate matter may cause irritation of the skin.
- Symptoms/injuries after eye contact : Dusts and particulate matter may cause irritation of the eyes. Mechanical irritation, potentially severe, can result from eye contact with this material.
- Symptoms/injuries after ingestion : May cause toxic effects if inhaled or ingested/swallowed.
- Chronic symptoms : Persons with a history of chronic lung diseases may be at increased risk from exposure to excessive levels of nuisance dust. Persons with medical conditions generally aggravated by mechanical irritants in the air or on the skin may be at increased risk for a worsening of the underlying condition if exposed.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Any. Use media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not flammable. Heat may cause flammable hazardous decomposition products, which may form toxic materials such as carbon dioxide, carbon monoxide, various low molecular weight hydrocarbons, oxides of phosphorus, biphenyl, organic acids and other toxic gases, acrid smoke, and fumes.
Flammable gases and vapors may also be produced during thermal decomposition.
- Reactivity : Not reactive under normal use and conditions.

5.3. Advice for firefighters

- Protection during firefighting : Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate area.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate area.

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6.1.2. For emergency responders

- Protective equipment : Use personal protective equipment as required.
 Emergency procedures : Keep unauthorized personnel away.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Do not walk through any dust resulting from damage to product.
 Methods for cleaning up : Recover mechanically the product. Minimize generation of dust. HEPA Vacuum or wet methods and place in a disposal container.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Use methods to minimize dust. Do not breathe dust. DO NOT use compressed air or dry sweeping to remove dust from work area. Use a vacuum with adequate filtration system to remove dusts. If an appropriate vacuum is unavailable, only wet-clean-up methods should be used (i.e. misting). Moisture should be added as necessary to reduce exposure to airborne dust.
 Hygiene measures : Practice good housekeeping. Wash thoroughly after handling. Change contaminated clothing. Do not reuse until laundered. Separate working clothes from town clothes. Launder separately.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep container tightly closed.
 Incompatible products : Strong acids, alkalis and oxidizers.

7.3. Specific end use(s)

Versatile Panels typically used for aircraft interior

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Fiberglass (65997-17-3)		
ACGIH	Not applicable	
OSHA	OSHA PEL (TWA) (mg/m ³)	3 fibers/cm ³ (fibers with diameter ≤ 3.5 μm & length ≥ 10 μm); 5 mg/m ³ TWA (total fibrous glass)
Flame retardant		
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
Particulates Not Otherwise Regulated (Total Dust)		
ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³ Respirable; 10 mg/m ³ Total dust
OSHA	OSHA PEL (TWA) (mg/m ³)	5mg/m ³ Respirable; 15 mg/m ³ Total dust

8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Enclosed processes used in combination with local exhaust ventilation as necessary to control air contaminants at or below acceptable exposure guidelines. Collection systems must be designed and maintained to prevent the accumulation and recirculation of dust into the workplace.
 Hand protection : None normally needed. Impervious gloves may be used to prevent mechanical irritation.
 Eye protection : Where eye contact is possible with particulate matter, safety glasses with side shields are recommended.
 Skin and body protection : Depending on the risk, wear a tight, long apron and boots or suitable chemical protection clothing. Nitrile rubber or similar protection is recommended for waste clear-up and manufacturing operations.
 Respiratory protection : Follow NIOSH recommendations for respirator use if welding, cutting, or grinding.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Flat Sheet.
Color	: Brown
Odor	: Slight
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.1 to 0.5
Solubility	: Unknown.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive under normal use and conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidizing agents, strong acids and bases, especially oxalic and hydrofluoric acid and acyl halides.

10.6. Hazardous decomposition products

Heat may cause flammable hazardous decomposition products, which may form toxic materials such as carbon dioxide, carbon monoxide, various low molecular weight hydrocarbons, oxides of phosphorus, biphenyl, organic acids and other toxic gases, acrid smoke, and fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

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Flame retardant	
LD50 oral rat	> 2000 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Suspected of causing genetic defects (Inhalation). Mutagenic activity from the flame retardant was observed in 2 strains (TA1535 and TA100) only with hamster S9 derived metabolic activation.
Carcinogenicity	: May cause cancer (Inhalation).

Fiberglass (65997-17-3)	
IARC group	3 - Not classifiable
National Toxicology Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen

Flame retardant (based on ingredient classifications)	
IARC group	2B - Possibly carcinogenic to humans, 1 - Carcinogenic to humans

Reproductive toxicity	: Suspected of damaging fertility or the unborn child. Studies have shown that flame retardant has caused infertility in female mice.
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Inhalation of dust may result in itching and upper respiratory tract irritation.
Symptoms/injuries after skin contact	: Dusts and particulate matter may cause irritation of the skin.
Symptoms/injuries after eye contact	: Dusts and particulate matter may cause irritation of the eyes. Mechanical irritation, potentially severe, can result from eye contact with this material.
Symptoms/injuries after ingestion	: May cause toxic effects if inhaled or ingested/swallowed.
Chronic symptoms	: Persons with a history of chronic lung diseases may be at increased risk from exposure to excessive levels of nuisance dust. Persons with medical conditions generally aggravated by mechanical irritants in the air or on the skin may be at increased risk for a worsening of the underlying condition if exposed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This product has no known eco-toxicological effects.

12.2. Persistence and degradability

No additional information available

12.3. Bio accumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Recover or recycle if possible. Dispose in a safe manner in accordance with local/national regulations.

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SECTION 14: Transport information

In accordance with DOT
Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory except for:

Component	CAS No	Concentration
Cured Phenolic Resin(s)	Proprietary	C>=29.00% ; C<=40.00%
Cured polyester resin (containing styrene)	Not Available	C>=0.50% ; C<=3.00%
Flame retardant	Proprietary	C>=5.00% ; C<=11.00%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de Minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

15.2.2. National regulations

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

Fiberglass (65997-17-3)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

SECTION 16: Other information

Revision date : 09/03/2015

Data sources : ChemADVISOR, Inc.[<https://www.chemadvisor.com>]. ChemIDplus [<http://chem.sis.nlm.nih.gov/chemidplus/rn/116094-23-6>]. GESTIS DNEL Database [[http://dnel-en.itrust.de/nxt/gateway.dll/dnel_en/000000.xml?f=templates\\$fn=default.htm\\$vid=dneleng:ddbeng\\$3.0](http://dnel-en.itrust.de/nxt/gateway.dll/dnel_en/000000.xml?f=templates$fn=default.htm$vid=dneleng:ddbeng$3.0)].

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Full text of H-phrases:

Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Muta. 2	Germ cell mutagenicity Category 2
Repr. 2	Reproductive toxicity Category 2
H341	Suspected of causing genetic defects
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child

NFPA health hazard

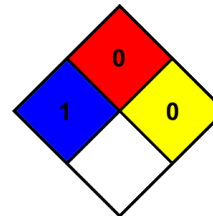
: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard

: 0 - Materials that will not burn.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : * - Chronic Hazard - Chronic (long-term) health effects may result from repeated overexposure

Flammability : 0 - Minimal Hazard

Physical : 0 - Minimal Hazard

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product