

**SECTION 1: Identification****1.1 Product identifier**

Product name : Gillfab® 4038
Other means of identification : Not applicable

1.2 Recommended use of the chemical and restrictions on use

To be used as a cargo liner

1.3 Details of the supplier of the safety data sheet

The Gill Corporation
4056 Easy Street
El Monte, CA 91731
(626) 443-4022
www.thegillcorp.com

1.4 Emergency phone number(s)

Emergency number : THE GILL CORPORATION: 1-626-443-4022 CHEMTREC: 1-800-424-9300

SECTION 2: Hazard identification**General hazard statement**

The product is non-hazardous as delivered. All components of the product are strongly bound in a solid structure.

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)
Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Generation of excessive amounts of dust/fume from cutting, grinding, smelting or exposure to high temperature is hazardous. It may cause eye, skin, respiratory tract irritation due to mechanical action of solid particles and potential exposure to hazardous chemicals. Aluminum dust is a flammable solid and releases flammable gases in contact with water. Airborne aluminum dusts in the presence of an ignition source may constitute an explosion hazard.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable.

3.2 Mixtures**Components**

Component	Concentration
Continuous Filament/FiberGlass (CAS no.: 65997-17-3)	<64 % (weight)
Aluminum (CAS no.: 7429-90-5)	<60 % (weight)
Cured Phenol Formaldehyde resin (CAS no.: 9003-35-4)	<24 % (weight)
Dibromoneopentyl glycol (CAS no.: 3296-90-0)	<6 % (weight)
Chromic Acid (CAS no.: 7738-94-5)	≤0.2 % (weight)

Sandwich Panels Composed of Fiberglass Reinforced Phenolic Skins Bonded to an Aluminum Honeycomb Core

Safety Data Sheet

according to Federal Register /
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SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Call a poison center or doctor.
In case of skin contact	: Wash with water. Call a poison center or doctor if irritation or rash develops or persists.
In case of eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell.
If swallowed	: Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

If inhaled	: Dust may cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Repeated and prolonged inhalation of aluminium powder may cause serious lung disorders.
In case of skin contact	: Dust may cause skin irritation. May cause an allergic skin reaction in highly susceptible individuals. Signs/symptoms may include localized redness, swelling, itching, rash, and hives.
In case of eye contact	: Dust may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	: Dust may cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

As packaged: Use extinguishing media appropriate for surrounding fire.

If dust/powder is generated: Use a Class D fire extinguisher. Do not use fire extinguishers rated for Class A, B, or C fires. Do not use water or halogenated fire extinguishing agents. Do not disturb the burning powder or cause mixing of the agent with the burning powder. Do not disturb the burning powder until completely cool.

5.2 Specific hazards arising from the chemical

Product contains aluminum. Generation of aluminum dust is hazardous. Aluminum dust is readily ignitable and explosive when suspended in air. Aluminum dust releases flammable gases in contact with water.

Hazardous combustion products: Carbon oxides, formaldehyde, phenolic materials, aluminum oxides.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust generation and inhalation. Ensure adequate ventilation. Airborne dusts in the presence of an ignition source may constitute an explosion hazard. Keep all ignition sources away. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. DO NOT USE WATER for dust/powder spill clean-up. Avoid dusting of powder to the greatest extent. Keep in suitable, closed containers for disposal.

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Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices. Avoid dust generation and accumulation. Airborne dusts in the presence of an ignition source may constitute an explosion hazard. Avoid sources of ignition. Take precautionary measures against static discharges. Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry and well-ventilated place. Incompatible materials: strong alkaline, acids, oxidizing and reducing agents.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Continuous Filament/Fiberglass (CAS no.: 65997-17-3) as Continuous filament glass fibers:

OSHA PEL 8-hour TWA (ST) STEL (C) Ceiling Peak		NIOSH REL Up to 10-hour TWA (ST) STEL (C) Ceiling		ACGIH® TLV® 8-hour TWA (ST) STEL (C) Ceiling		Cal/OSHA PEL 8-hour TWA (ST) STEL (C) Ceiling Peak	
PEL-TWA	15 mg/m ³ or 50 mppcf (total dust), 5 mg/m ³ or 15 mppcf (respirable fraction)	REL-TWA	3 fibers/cm ³ (fibers ≤3.5 µm in diameter, ≥10 µm in length); 5 mg/m ³ (total)	TLV-TWA	1 fiber/cc; 5 mg/m ³ (inhalable particulate matter)	PEL-TWA	10 mg/m ³ (total dust); 5 mg/m ³ (respirable fraction)

Aluminum, metal (as Al):

OSHA PEL 8-hour TWA (ST) STEL (C) Ceiling Peak		NIOSH REL Up to 10-hour TWA (ST) STEL (C) Ceiling		ACGIH® TLV® 8-hour TWA (ST) STEL (C) Ceiling		Cal/OSHA PEL 8-hour TWA (ST) STEL (C) Ceiling Peak	
PEL-TWA	15 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction)	REL-TWA	10 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction)	TLV-TWA	1 mg/m ³ (respirable particulate matter)	PEL-TWA	10 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction)

Chromic Acid (CAS no.: 7738-94-5):

OSHA PEL 8-hour TWA (ST) STEL (C) Ceiling Peak		NIOSH REL Up to 10-hour TWA (ST) STEL (C) Ceiling		ACGIH® TLV® 8-hour TWA (ST) STEL (C) Ceiling		Cal/OSHA PEL 8-hour TWA (ST) STEL (C) Ceiling Peak	
PEL-TWA	5 µg/m ³ [2.5 µg/m ³ Action Level]	REL-TWA	0.0002 mg/m ³ (8 hr TWA)	TLV-TWA	0.0002 mg/m ³ (inhalable particulate matter)	PEL-TWA	0.005 mg/m ³
PEL-STEL	Not available	REL-STEL	Not available	TLV-STEL	0.0005 mg/m ³ (inhalable particulate matter)	PEL-STEL	0.1 mg/m ³

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8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits. Use explosion-proof electrical/ventilating/lighting/equipment.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection	: Safety goggles are recommended.
Skin protection	: Wear protective gloves.
Body protection	: Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Thermal hazards	: No data available.
Environmental exposure controls	: Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	: Solid honeycomb-core panel
Odor	: Odorless
Odor threshold	: No data available
pH	: Not applicable
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: No data available
Evaporation rate	: Not applicable
Flammability (solid, gas)	: No data available
Upper/lower flammability limits	: No data available
Upper/lower explosive limits	: No data available
Vapor pressure	: No data available
Vapor density	: Not applicable
Relative density	: No data available
Solubility(ies)	: Insoluble in water
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: Not applicable
Explosive properties	: Not explosive
Oxidizing properties	: No data available
Other safety information	: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal use and storage conditions.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

Water and halogenated hydrocarbons may react with aluminum dust. Aluminum dust may generate hydrogen and heat when exposed to water. Water/aluminum powder mixture may be especially hazardous when confined and may react violently with strong oxidizers and many halogenated hydrocarbons.

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10.4 Conditions to avoid

Avoid dust generation, avoid exposure to heat and contact with incompatible materials.

10.5 Incompatible materials

Strong alkaline, acids, oxidizing and reducing agents.
Water and halogenated hydrocarbons may react with aluminum dust.

10.6 Hazardous decomposition products

Carbon oxides, formaldehyde, phenolic materials, aluminum oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Likely Routes of Exposure

: Eye contact. Skin contact. Inhalation.

If inhaled

: Dust may cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Repeated and prolonged inhalation of aluminium powder may cause serious lung disorders.

In case of skin contact

: Dust may cause skin irritation. May cause an allergic skin reaction in highly susceptible individuals. Signs/symptoms may include localized redness, swelling, itching, rash, and hives.

In case of eye contact

: Dust may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

If swallowed

: Dust may cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Acute toxicity

: No data available.

Skin corrosion/irritation

: No data available.

Serious eye damage/irritation

: No data available.

Respiratory or skin sensitization

: No data available.

Germ cell mutagenicity

: No data available.

Carcinogenicity

: All components of the product are strongly bound in a solid structure with a low risk of potential exposure under normal use conditions.

IARC: Product contains Chromium (VI) compounds (Chromic Acid), which are classified as carcinogenic to humans (Group 1) by IARC. Product contains Dibromoneopentyl glycol, which is classified as possibly carcinogenic to humans (Group 2B) by IARC.

NTP: Product contains Chromium (VI) compounds (Chromic Acid), which are classified as known to be human carcinogens by NTP. Product contains Dibromoneopentyl glycol, which is classified as reasonably anticipated to be a human carcinogen by NTP. Inhalable FiberGlass is classified as reasonably anticipated to be a human carcinogen by NTP.

OSHA: Product contains Chromium (VI) compounds (Chromic Acid), which are specifically regulated carcinogens by OSHA.

Reproductive toxicity

: No data available.

STOT-single exposure

: No data available.

STOT-repeated exposure

: No data available.

Aspiration hazard

: No data available.

Additional information

: Product contains Chromic Acid and Dibromoneopentyl glycol, which are strongly bound within a solid structure. Exposure to these chemicals may cause an allergic skin reaction, may cause asthma symptoms or breathing difficulties if inhaled, may cause genetic defects, may cause cancer, and suspected of damaging fertility or the unborn child.

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SECTION 12: Ecological information

Toxicity	: No data available on product
Persistence and degradability	: No data available on product
Bioaccumulative potential	: No data available on product
Mobility in soil	: No data available
Results of PBT and vPvB assessment	: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	: No data available.

SECTION 13: Disposal considerations

Disposal of the product	: Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.
Disposal of contaminated packaging	: Dispose of as unused product.

SECTION 14: Transport information

DOT (US)
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

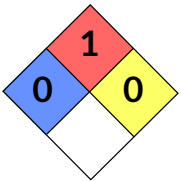
SARA 311/312 Hazards

No SARA hazards.

SARA 313 Components

Aluminum (CAS no.: 7429-90-5)
Chromic Acid (CAS no.: 7738-94-5)
Dibromoneopentyl glycol (CAS no.: 3296-90-0)

SECTION 16: Other information

NFPA health hazard		: 0 - Poses no health hazard.										
NFPA fire hazard		: 1 - Must be preheated before ignition can occur.										
NFPA reactivity		: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.										
HMIS III Rating	<table border="1"><tr><td colspan="2">Gillfab® 4038</td></tr><tr><td>HEALTH</td><td>0</td></tr><tr><td>FLAMMABILITY</td><td>1</td></tr><tr><td>PHYSICAL HAZARD</td><td>0</td></tr><tr><td colspan="2">PERSONAL PROTECTION</td></tr></table>	Gillfab® 4038		HEALTH	0	FLAMMABILITY	1	PHYSICAL HAZARD	0	PERSONAL PROTECTION		: 0 - No significant risk to health.
Gillfab® 4038												
HEALTH		0										
FLAMMABILITY		1										
PHYSICAL HAZARD	0											
PERSONAL PROTECTION												
Health	: 1 Materials must be preheated before ignition will occur.											
Flammability	: 0 - Minimal Hazard											
Physical												

16.1 Further information/disclaimer

Date of issue : October 25, 2023

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.