SECTION 1: Identification

1.1 Product identifier

Product name : Gillfab® 5040
: Gillfab® 5040L
: Gillfab® 5040Q
: Gillfab® 5040X

Other means of identification : Not applicable

1.2 Recommended use of the chemical and restrictions on use

For commercial aircraft flooring, galley panels, cargo containers, and bulkheads.

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 matrix.

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.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Components

Component	Concentration
Aluminum (CAS no.: 7429-90-5; EC no.: 231-072-3)	≤90 % (weight)
Silicon (CAS no.: 7440-21-3)	≤13.5 % (weight)
Zinc (CAS no.: 7440-66-6; EC no.: 231-175-3)	≤10.8 % (weight)
Magnesium (CAS no.: 7439-95-4; EC no.: 231-104-6)	≤9 % (weight)
Copper (CAS no.: 7440-50-8)	≤9 % (weight)
Rosin, polymer with isophthalic acid and pentaerythritol (CAS no.: 68515-02-6)	≤6 % (weight)
Iron (CAS no.: 7439-89-6)	≤4.5 % (weight)
Manganese (CAS no.: 7439-96-5)	≤4.5 % (weight)
Bismuth (CAS no.: 7440-69-9)	≤2.7 % (weight)
Tin (CAS no.: 7440-31-5)	≤1.8 % (weight)
Chromium (CAS no.: 7440-47-3; EC no.: 231-157-5)	≤0.36 % (weight)

*Residual/trace amounts of the following substances may be present: Formaldehyde (CAS no.: 50-00-0); Methyl Acetate (CAS no.: 79-20-9); Lead (CAS no.: 7439-92-1).

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 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.
In case of skin contact	:	Dust may cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
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

No data available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Product contains aluminum. Generation of aluminum dust is hazardous. Aluminum dust is a flammable solid and releases flammable gases in contact with water.
Hazardous decomposition products: Carbon oxides, organic compounds, metal 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. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid dust formation. 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.

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

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/m³ (total dust), 5 mg/m³ (respirable fraction)	**REL-TWA**	10 mg/m³ (total dust), 5 mg/m³ (respirable fraction)	**TLV-TWA**	1 mg/m³ (respirable particulate matter)	**PEL-TWA**	10 mg/m³ (total dust), 5 mg/m³ (respirable fraction)

SILICON:

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/m³ (total dust), 5 mg/m³ (respirable fraction)	**REL-TWA**	10 mg/m³ (total dust), 5 mg/m³ (resp)	**TLV-TWA**	No data available	**PEL-TWA**	10 mg/m³ (total dust), 5 mg/m³ (respirable fraction)

COPPER (as Cu):

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	0.1 mg/m³ (fume); 1 mg/m³ (dusts & mists)	**REL-TWA**	1 mg/m³ (except fume); 0.1 mg/m³ (fume)	**TLV-TWA**	1 mg/m³ (dusts and mists); 0.2 mg/m³ (fume)	**PEL-TWA**	0.1 mg/m³ (copper metal fume); 1 mg/m³ (copper salts, dusts and mists)

IRON SALTS, SOLUBLE (as Fe):

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	1 mg/m³ (Construction and Maritime Industries ONLY)	**REL-TWA**	1 mg/m³	**TLV-TWA**	1 mg/m³	**PEL-TWA**	1 mg/m³

MANGANESE, COMPOUNDS & FUME (as Mn):

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	Not data available	**REL-TWA**	1 mg/m³	**TLV-TWA**	0.02 mg/m³ (respirable particulate matter), 0.1 mg/m³; (inhalable particulate matter)	**PEL-TWA**	0.2 mg/m³

TIN, INORGANIC COMPOUNDS (EXCEPT OXIDES) (as Sn)

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	2 mg/m³	**REL-TWA**	2 mg/m³	**TLV-TWA**	2 mg/m³	**PEL-TWA**	2 mg/m³

CHROMIUM, METAL & INSOLUBLE SALTS (as Cr)

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	1 mg/m³	**REL-TWA**	0.5 mg/m³	**TLV-TWA**	0.5 mg/m³	**PEL-TWA**	0.5 mg/m³

FORMALDEHYDE (CAS no.: 50-00-0):

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	0.75 ppm [0.5 ppm Action Level]	**REL-TWA**	0.016 ppm	**TLV-TWA**	0.1 ppm [2016]	**PEL-TWA**	0.75 ppm [0.50 ppm Action Level]
PEL-STEL	2 ppm	**REL-STEL**	Not available	**TLV-STEL**	0.3 ppm [2016]	**PEL-STEL**	2 ppm
PEL-C	Not available	**REL-C**	0.1 ppm [15 minutes]	**TLV-C**	Not available	**PEL-C**	Not available

METHYL ACETATE

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	200 ppm (610 mg/m³)	**REL-TWA**	200 ppm (610 mg/m³)	**TLV-TWA**	200 ppm	**PEL-TWA**	200 ppm (610 mg/m³)

LEAD, INORGANIC (as Pb)

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	0.05 mg/m³ [0.03 mg/m³ Action Level]	**REL-TWA**	0.05 mg/m³	**TLV-TWA**	0.05 mg/m³	**PEL-TWA**	0.05 mg/m³

8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

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.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	:	Solid metallic panel, flat, with wood exposed at the sides
Odor	:	Mild
Odor threshold	:	No data available
pH	:	Not applicable
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	Not applicable
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	:	Not applicable
Vapor pressure	:	No data available
Vapor density	:	No data available
Relative density	:	No data available
Solubility(ies)	:	No data available
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	Not oxidizing
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

No data available.

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.

10.6 Hazardous decomposition products

Metal and metal oxide fumes, carbon oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity	:	Based on available data, classification data are not met
Likely Routes of Exposure	:	Eye contact. Skin contact. Inhalation
Skin corrosion/irritation	:	Dust may cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching
Serious eye damage/irritation	:	Dust may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision
Respiratory or skin sensitization	:	No data available
Germ cell mutagenicity	:	No data available
Carcinogenicity Only trace amounts of these components are anticipated:		
Formaldehyde (CAS no.: 50-00-0)	: : :	IARC: carcinogenic to humans (Group 1) NTP: known to be a human carcinogen OSHA: listed as carcinogen
Lead (CAS no.: 7439-92-1)	: :	IARC: possibly carcinogenic to humans (Group 2B) NTP: reasonably anticipated to be a human carcinogen
Reproductive toxicity	:	No data available
STOT-single exposure	:	Dust may cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
STOT-repeated exposure	:	No data available
Aspiration hazard	:	No data available
Additional information	:	No data available

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)
Zinc (CAS no.: 7440-66-6)
Copper (CAS no.: 7440-50-8)
Manganese (CAS no.: 7439-96-5)

SECTION 16: Other information

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

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

Gillfab® 5040; Gillfab® 5040L; Gillfab® 5040Q; Gillfab® 5040X

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

Health : 1 Slight Hazard - Irritation or minor reversible injury possible.

Flammability : 1 Materials must be preheated before ignition will occur.

Physical : 0 Minimal Hazard

16.1 Further information/disclaimer

Date of issue : May 05, 2020

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