SECTION 1: Identification

1.1 Product identifier

Product name : Corrugated PAA-CORE®

Other means of identificatio : HIGRID®

1.2 Recommended use of the chemical and restrictions on use

High performance floor panels, and cargo compartment liners

1.3 Details of the supplier of the safety data sheet

The Gill Corporation-Maryland
Lakeside Business Park
1502 Quarry Drive
Edgewood, Maryland 21040 USA
Phone: +1 410-676-7100
www.thegillcorp.com

1.4 Emergency phone number(s)

Emergency number : THE GILL CORPORATION: 1-410-676-7100 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) OSH (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. Aluminum dust is a flammable solid and releases flammable gases i 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
Aluminum (CAS no.: 7429-90-5; EC no.: 231-072-3)	92-97 % (weight)

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. Repeated and prolonged inhalation of aluminium powder may cause serious lung disorders.
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

As packaged: Use extinguishing media appropriate for surrounding fire.
If dust/powder is generated: Use a Class D fire extinguishe . 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 powde . Do no 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 wate .
Hazardous combustion products: aluminum oxides.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessa .

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 spill clean-up. Avoid dusting of powder to the greatest extent. Sweep spilled powder with natural bristle broom (push type recommended). Pick up material with a non-sparkling shovel. After complete clean up by sweeping, area may be washed down with copious quantities of water, if necessary. 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

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

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)

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 gray metallic honeycomb shaped structure
Odor	:	Odorless
Odor threshold	:	No data available
pH	:	Not applicable
Melting point/freezing point	:	660°C (1220°F)
Initial boiling point and boiling range	:	2056°C (3732.8°F)
Flash point	:	No data available
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	No data available
Upper/lower flammability limit	:	No data available
Upper/lower explosive limits	:	No data available
Vapor pressure	:	No data available
Vapor density	:	No data available
Relative density	:	2.7
Solubility(ies)	:	Insoluble in water. Aluminum dust generated by machine processes may react with water
Partition coefficient: n-octanol/wate	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	Not applicable
Explosive properties	:	No data available
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

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.

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

Aluminum and aluminum oxide fumes.

SECTION 11: Toxicological information

Note this information on toxicological effects applies to dust formation and not the product as supplied.

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. Signs/symptoms may include localized redness, swelling, and itching. Repeated prolonged exposure may cause slow-healing skin lesions and allergic reactions.
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	:	Based on available data, classification data are not met
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		
IARC	:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC
NTP	:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NT .
OSHA	:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
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

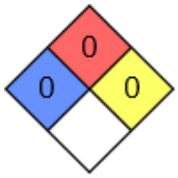
SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards
No SARA hazards.

SARA 313 Components
Aluminum (CAS no.: 7429-90-5)

SECTION 16: Other information

NFPA health hazard	:	0 - Poses no health hazard
NFPA fire hazard	:	0 - Will not burn
NFPA reactivity	:	0 - Stable



HMIS III Rating

Corrugated PAA-CORE®		
Health	:	0 Minimal Hazard
Flammability	:	0 Minimal Hazard
Physical	:	0 Minimal Hazard

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

16.1 Further information/disclaimer

Date of issue : August 13, 2021

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