Safety Data Sheet
Parafast RhinoBond TPO Plates

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Parafast RhinoBond TPO Plates

1.2 Other means of identification

Parafast RB TPO XHD Plate
Parafast RB TPO SXHD Plate

1.4 Supplier's details

Name	Siplast
Address	14911 Quorum Drive Suite 600 Dallas, TX 75254
Telephone	800-922-8800

1.5 Emergency phone number

800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

General hazard statement

As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200, the products listed below are considered articles and do not require an SDS. In addition, articles are not included in the scope of the Globally Harmonization System (GHS). As such, the GHS labeling elements are not included on this SDS. All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, there is no evidence that any of the ingredients are released in amounts that pose a significant health risk. Although these products are not subject to the OSHA Standard or GHS labeling elements, GAF would like to disclose as much health and safety information as possible to ensure that this product is handled and used properly. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and be made available for employees and other users of this product. In addition, the recommendations for handling and use of these products should be included in worker training programs.

2.1 Classification of the substance or mixture

GHS classification in accordance with: 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

CARCINOGENICITY: Chromic chromate is classified as a carcinogen by IARC (“1”, carcinogenic to humans), NTP (“K”, known to be a human carcinogen), and ACGIH (“A1”, confirmed human carcinogen).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Aluminum (Fume, Dust, or Powder)

Concentration	Not specified
EC no.	231-072-3
CAS no.	7429-90-5
Index no.	013-002-00-1

- Flammable solids, Cat. 1
- Substances and mixtures which, in contact with water, emit flammable gases, Cat. 2

H228	Flammable solid
H261	In contact with water releases flammable gas

2. CHROMIC CHROMATE

Concentration	Not specified
EC no.	246-356-2
CAS no.	24613-89-6
Index no.	024-010-00-X

- Oxidizing solids, Cat. 1
- Carcinogenicity, Cat. 1B
- Skin corrosion/irritation, Cat. 1A
- Sensitization, skin, Cat. 1
- Hazardous to the aquatic environment, short-term (acute), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 1

H271	May cause fire or explosion; strong oxidizer
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H350	May cause cancer [route]
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

3. Manganese (powder)

Concentration	Not specified
EC no.	231-105-1
CAS no.	7439-96-5

4. Zinc (foil rod, slug)

Concentration	Not specified
EC no.	231-175-3
CAS no.	7440-66-6
Index no.	030-001-01-9

- Hazardous to the aquatic environment, short-term (acute), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 1

H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

5. Phenolic Resin

Concentration	Not specified

6. Iron

Concentration	Not specified
CAS no.	7440-50-8

7. Epoxy Resin

Concentration	Not specified

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Not applicable.
In case of skin contact	Not applicable.
In case of eye contact	Not applicable.
If swallowed	Not applicable.

Personal protective equipment for first-aid responders
Not applicable.

4.2 Most important symptoms/effects, acute and delayed
Not applicable.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Material does not burn. Use ABC type fire extinguisher for surrounding fire.

5.2 Specific hazards arising from the chemical
None known.

5.3 Special protective actions for fire-fighters
For large fire involving this material, fire fighters should use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Not applicable.

6.2 Environmental precautions
Not applicable.

6.3 Methods and materials for containment and cleaning up
Not applicable.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Not applicable.

7.2 Conditions for safe storage, including any incompatibilities
Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Aluminum (Fume, Dust, or Powder) (CAS: 7429-90-5)
TWA (Inhalation): 10 mg/m3; Australia (AU/SWA)

TWA (Inhalation): 5 mg/m3; Australia (AU/SWA)

TWA (Inhalation): 2 mg/m3; Australia (AU/SWA)

TWA (Inhalation): 5 mg/m3; Australia (AU/SWA)

TWA (Inhalation): 2 mg/m3; Australia (AU/SWA)

2. Manganese (powder) (CAS: 7439-96-5)
TWA (Inhalation): 1 mg/m3; Australia (AU/SWA)

STEL (Inhalation): 3 mg/m3; Australia (AU/SWA)

8.2 Appropriate engineering controls
Not applicable.

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

Eye/face protection
Safety glasses with side shields.

Skin protection
Not applicable.

Body protection

Work gloves.

Respiratory protection
Not applicable.

Thermal hazards
Not applicable.

Control banding approach
Not applicable.

Environmental exposure controls
Not applicable.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Appearance	Solid
Color	Not applicable.
Odor	Not applicable.
Odor threshold	Not applicable.
Melting point/freezing point	Not applicable.
Boiling point or initial boiling point and boiling range	Not applicable.
Flammability	Not applicable.
Lower and upper explosion limit/flammability limit	Not applicable.
Flash point	Not applicable.
Explosive properties	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not applicable.
Oxidizing properties	Not applicable.
pH	Not applicable.
Kinematic viscosity	Not applicable.
Solubility	Insoluble.
Partition coefficient n-octanol/water (log value)	Not applicable.
Vapor pressure	Not applicable.
Evaporation rate	Not applicable.
Density and/or relative density	Not applicable.
Relative vapor density	Not applicable.

Particle characteristics
Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity
Not applicable.

10.2 Chemical stability
Not applicable.

10.3 Possibility of hazardous reactions
Will not occur.

10.4 Conditions to avoid

Not applicable.

10.5 Incompatible materials
Ammonium nitrate; peroxides; lithium; nitric oxide; chlorates; sulfur dioxide; halogens; chlorine trifluoride; nitrogen dioxide; sulfur; carbides; hydrazine; nitric acid; hydrazoic acid; dioxane; selenium; performic acid; phosphorus; titanium plus potassium perchlorate.

10.6 Hazardous decomposition products
Not applicable.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
No information available.

Skin corrosion/irritation
No information available.

Serious eye damage/irritation
No information available.

Respiratory or skin sensitization
No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Reproductive toxicity
No information available.

Specific target organ toxicity (STOT) - single exposure
No information available.

Specific target organ toxicity (STOT) - repeated exposure
No information available.

Aspiration hazard
No information available.

SECTION 12: Ecological information

Toxicity
No information available.

Persistence and degradability
No information available.

Bioaccumulative potential
No information available.

Mobility in soil
No information available.

Results of PBT and vPvB assessment
No information available.

Endocrine disrupting properties
No information available.

SECTION 13: Disposal considerations

Waste treatment
This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Comply with state and local regulations for disposal.

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

Massachusetts Right To Know Components
Chemical name: Aluminum (fume or dust)
CAS number: 7429-90-5

New Jersey Right To Know Components
Common name: ALUMINUM
CAS number: 7429-90-5

Pennsylvania Right To Know Components
Chemical name: Aluminum
CAS number: 7429-90-5

Canadian Domestic Substances List (DSL)
Chemical name: Aluminum
CAS: 7429-90-5

New Jersey Right To Know Components
Common name: CHROMIC CHROMATE
CAS number: 24613-89-6

Canadian Domestic Substances List (DSL)
Chemical name: Chromic acid (H2CrO4), chromium(3++) salt (3:2)

CAS: 24613-89-6

Massachusetts Right To Know Components
Chemical name: Manganese
CAS number: 7439-96-5

New Jersey Right To Know Components
Common name: MANGANESE
CAS number: 7439-96-5

Pennsylvania Right To Know Components
Chemical name: Manganese
CAS number: 7439-96-5

Canadian Domestic Substances List (DSL)
Chemical name: Manganese
CAS: 7439-96-5

Massachusetts Right To Know Components
Chemical name: Zinc
CAS number: 7440-66-6

New Jersey Right To Know Components
Common name: ZINC
CAS number: 7440-66-6

Pennsylvania Right To Know Components
Chemical name: Zinc
CAS number: 7440-66-6

Canadian Domestic Substances List (DSL)
Chemical name: Zinc
CAS: 7440-66-6

SECTION 16: Other information

This information relates to the specific material designated and may not be valid for such material used on combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.