

SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: Turbo-Set Part B

Recommended Use: Roofing Material

Restriction on Use: None

Manufacturer:

Polyglass U.S.A. Inc.
 1111 West Newport Center Drive
 Deerfield Beach, Florida 33442
 866-222-9782

SDS Date of Preparation: 01/17/2019

Emergency Contact: (800) 424-9300 CHEMTREC (USA)

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification:

Physical	Health
Corrosive to Metals Category 1	Eye Damage Category 1

Label Elements:

Danger!



May be corrosive to metals.
 Causes serious eye damage.

Keep only in original container.
 Wear eye protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Absorb spillage to prevent material damage.

Store in corrosive resistant container with a resistant inner liner.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS

Aluminum Sulfate

CAS#

7784-31-8

WT. %

<15%

The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 FIRST AID MEASURES

Eyes: Immediately flush eyes thoroughly with large quantities of water for 20 minutes, while holding the eye lids open to be sure the material is washed out. Remove contact lenses if present and easy to do. Get immediate medical attention.

Skin: Remove contaminated clothing. Wash skin with soap and water. If irritation develops, get medical attention. Launder clothing before re-use.

Inhalation: If symptoms develop, move to fresh air. If symptoms persist, get medical attention.

Ingestion: If conscious, rinse mouth with water. Never give anything by mouth to a person who is unconscious or convulsing. If large amount is swallowed or gastrointestinal effects develop, get medical attention.

Most important symptoms/effects, acute and delayed: May cause severe eye irritation with possible eye damage. Prolonged skin contact may cause irritation. Inhalation of vapors or mists may cause respiratory irritation. Ingestion may cause nausea, vomiting and diarrhea.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is required for eye contact.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Use media appropriate for the surrounding fire. Cool fire exposed containers with water.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses. Cool fire-exposed containers with water.

Specific Hazards Arising from the Chemical: Contact with metals may produce flammable hydrogen gas which can form explosive mixtures with air. Combustion products may include sulfur and metal oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate protective clothing to avoid eye and skin contact. Avoid breathing vapors and mists. Ventilate the area.

Environmental Procedures: Avoid release to the environment. Report spill as required by local and federal regulations.

Methods and Materials for Containment and Cleaning Up: Contain and collect with inert material. Place into an appropriate container for disposal. Caution – spill may cause surfaces to become slippery. Wash spill area with water.

SECTION 7 HANDLING and STORAGE

Precautions for Safe Handling: Avoid contact with the eyes, skin and clothing. Avoid breathing vapors and mists. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a dry, well-ventilated area. Protect from physical damage. Keep in original container. Protect from freezing.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

INGREDIENTS	EXPOSURE LIMITS
Aluminum Sulfate (as Al, Metal and insoluble compounds)	1 mg/m ³ TWA ACGIH TLV (Respirable) 5 mg/m ³ (Respirable fraction), 15 mg/m ³ TWA (total dust) OSHA PEL

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposures below occupation exposure limits.

Respiratory Protection: If the exposure limits are exceeded a NIOSH approved dust/mist respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Gloves: Impervious gloves are recommended to avoid prolonged skin contact.

Eye Protection: Chemical safety goggles should be worn if splashing is possible.

Other Protective Equipment: Impervious clothing as needed to avoid skin contact and prevent contamination of person clothing.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

Appearance And Odor: Dark to light blue liquid

Boiling Point (@ 760 mmHg): 212°F (100°C) (approximate)	Freezing Point: 32°F (0°C) (approximate)
Odor Threshold: Not available	Viscosity: 10-20 cPs
Relative density (H₂O=1): 8.33 lbs/gallon	Vapor Pressure: Not available
VOC: Not available	Vapor Density (AIR=1): Not determined
Evaporation Rate: Not available	Solubility In Water: Soluble
pH: 4-6	Partition Coefficient n-Octanol/Water: Not available
Flash Point: Not applicable	Autoignition Temperature: Not applicable
Decomposition Temperature: Not determined	Flammability (solid, gas): Not applicable
Flammable Limits: (vol % in air)	LEL – Not applicable UEL – Not applicable

SECTION 10 STABILITY and REACTIVITY

Reactivity: Corrosive to metals.

Chemical Stability: Stable under normal storage and handling conditions

Possibility of Hazardous Reactions: May be corrosive with metals producing flammable hydrogen gas. Contact with alkalis may produce heat.

Conditions to avoid: Avoid extreme temperatures. Avoid freezing temperatures.

Incompatible materials: Avoid oxidizing agents, alkalis and metals.

Hazardous decomposition products: Thermal decomposition may yield sulfur and metallic oxides.

SECTION 11 TOXICOLOGICAL INFORMATION

Eye: Direct contact with eyes may cause severe eye irritation and burns. May cause eye damage.

Skin: Prolonged skin contact may cause irritation.

Inhalation: Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sensitization: This product is not expected to cause sensitization.

Chronic Effects: None known.

Carcinogenicity: None of the components are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

Numerical Measures of Toxicity:

Aluminum Sulfate: Oral rat LD50->2000 mg/kg, Inhalation rat LC50->5 mg/L/4hr, Skin rabbit LD50->5000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Aluminum Sulfate: 96 hr LC50 Zebra fish->85.9 mg/L, 48 hr EC50 Daphnia magna->200 mg/L

Persistence and degradability: Biodegradation is not applicable to inorganic substances

Bioaccumulative potential: Bioaccumulation is not expected.

Mobility in soil: No data available.

Other adverse effects: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT:

UN/ID Number	None
Proper Shipping Name	Not Regulated
Hazard Class	None
Packing Group	None
ERG Code	N/A
DOT Special Provisions	None known
Description	None

TDG:

UN/ID Number	None
Proper Shipping Name	Not Regulated
Hazard Class	None
Packing Group	None
ERG Code	N/A
TDG Special Provisions	None known
Description	None

IATA:

UN/ID Number	None
Proper Shipping Name	Not Regulated
Hazard Class	None
Packing Group	None
ERG Code	N/A
Special Provisions	None known
Description	None

IMDG:

UN/ID Number	None
Proper Shipping Name	Not Regulated
Hazard Class	None
Packing Group	None
EmS-No	N/A
Special Provisions	None known
Description	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known



Safety Data Sheet

SECTION 15: REGULATORY INFORMATION

SARA Hazard Category (311/312): Refer to Section 2 for OSHA Hazard Classification

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

CERCLA Hazardous Substances (Section 103)/RQ: This product has an RQ of 33,333 lbs (based on the RQ of Aluminum Sulfate of 5,000 lbs present at <15%). Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

SECTION 16: OTHER INFORMATION

NFPA Rating:

Health = 3

Fire = 0

Instability = 0

HMIS Rating:

Health = 3

Fire = 0

Physical Hazard = 0

SDS Date of Preparation: 01/17/2019

Revision Summary: New SDS.

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Polyglass U.S.A. Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process