

SECTION 1 PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: Turbo Set Part A

Recommended Use: Roof Coating

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: 1/15/2018

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

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification:

Physical	Health
Not Hazardous	Skin Sensitization Category 1

Label Elements:

Warning!



H317 May cause an allergic skin reaction.

Prevention

P261 Avoid breathing mist, vapors or spray.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P280 Wear protective gloves.

Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P333+P313 If skin irritation or rash occurs: Get medical attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.

Disposal

P501 Dispose of contents and container in accordance with local and national regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS#.	WT. %
Acrylic Polymer	Proprietary	20-40%
Aluminum Trihydrate	21645-51-2	10-20%
Calcium Carbonate	1317-65-3	10-20%



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Titanium Dioxide	13463-67-7	1-10%
Crystalline Silica, Quartz	14808-60-7	0.1-1%
Polypropylene Glycol Alkyl Phenyl Ether	9065-13-5	0.1-<1

Note: The crystalline silica and titanium dioxide in this product are inextricably bound so no exposure will occur and the carcinogen classification does not apply for these chemicals.

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

SECTION 4 FIRST AID MEASURES

Eyes: Immediately flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

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

Inhalation: If symptoms develop, remove victim to fresh air. If symptoms develop, 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: Causes mild eye irritation. Prolonged contact may cause skin irritation and dryness. May cause an allergic skin reaction. 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 not normally required.

SECTION 5 FIRE FIGHTING MEASURES

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

Specific Hazards Arising from the Chemical: This product is an aqueous mixture that will not burn until all water has evaporated. Residue will burn after the water has evaporated. Combustion products may include carbon oxides, aluminum oxides and acrylic monomers.

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.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate protective clothing to avoid eye and skin contact.

Environmental precautions: Avoid release to the environment. Report releases as required by local, state and federal authorities.

Methods and Materials for Containment and Cleaning Up: Dike the spilled material. Attempt to reclaim the free product, if this is possible. Place in an appropriate container for use or disposal. Collect residue with inert material and place into a closable container for disposal. Wash spill area.

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. Store in original container; keep tightly closed. Rotate stock, using older materials first. Do not reuse container for other purposes. Do not store in freezing areas. Keep above 40 °F, but less than 100 °F. Do not store in direct sunlight.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

INGREDIENTS	EXPOSURE LIMITS
Acrylic Polymer	None Established
Aluminum Trihydrate	5 mg/m ³ TWA OSHA PEL (respirable dust) 15 mg/m ³ TWA OSHA PEL (total dust) 1 mg/m ³ TWA ACGIH TLV (respirable dust)
Calcium Carbonate	5 mg/m ³ TWA OSHA PEL (respirable fraction) 15 mg/m ³ TWA OSHA PEL (total dust)
Titanium Dioxide	15 mg/m ³ TWA OSHA PEL (total dust) 10 mg/m ³ TWA ACGIH TLV
Crystalline Silica, Quartz	0.05 mg/m ³ TWA OSHA PEL (respirable dust) 0.025 mg/m ³ TWA ACGIH TLV (respirable fraction)
Polypropylene Glycol Alkyl Phenyl Ether	None Established

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

Respiratory Protection: If the exposure limits are exceeded a NIOSH approved 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: Rubber or other impervious gloves are recommended to prevent prolonged skin contact.

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

Other Protective Equipment: Impervious clothing as needed to prevent contact.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

Appearance And Odor: White liquid with a mild odor.

Boiling Point (@ 760 mmHg): 212°F (100°C) (water)	Freezing Point: Not available
Odor Threshold: Not determined	Viscosity: Not determined
Relative density (H2O=1): Not determined	Vapor Pressure: Not available
VOC: Not available	Vapor Density (AIR=1): >1
Evaporation Rate: Not available	Solubility In Water: Partly soluble
pH: Not available	Partition Coefficient n-Octanol/Water: Not determined
Flash Point: Not flammable	Autoignition Temperature: Not applicable

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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: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions

Possibility of Hazardous Reactions: None known

Conditions to avoid: None known.

Incompatible materials: Avoid oxidizing agents, acids and metal salts.

Hazardous decomposition products: Thermal decomposition may yield carbon oxides, aluminum oxides and acrylic monomers.

SECTION 11 TOXICOLOGICAL INFORMATION

Eye: Eye contact may cause irritation with redness and tearing.

Skin: Prolonged skin contact may cause irritation and drying of the skin.

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: This product contains a very small amount of naturally occurring crystalline silica. Repeated inhalation of large amounts of silica dust over an extended period of time may result in a progressive, disabling disease, silicosis. However, the crystalline silica in this product is bound in the polymer matrix and dust exposure would not be expected.

Carcinogenicity: Titanium dioxide is listed by IARC as "Possibly Carcinogenic to Humans", Group 2B. Respirable crystalline silica is classified as a Group 1 carcinogen by IARC, and "Known to be a Human Carcinogen" by NTP. However, the crystalline silica and titanium dioxide in this product are bound in the polymer matrix and dust exposure would not be expected. None of the other components present at 0.1% or greater are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

Reproductive effects: None of the components have been shown to cause reproductive or developmental toxicity.

Numerical Measures of Toxicity:

Acrylic Polymer: Oral rat LD50 >2000 mg/kg, Inhalation rat LC50 >5 mg/L, Dermal rabbit LD50 >5000 mg/L

Aluminum Trihydrate: Oral rat LD50 >5000 mg/kg

Calcium Carbonate: Oral rat LD50: 6450 mg/kg

Titanium Dioxide: Oral rat LD50: >5000 mg/kg

Crystalline Silica: Oral rat LD50: >10,000 mg/kg; Inhalation rat LC50: >0.139 mg/l/4 hr; Skin rabbit LD50: >5000 mg/kg

Polypropylene Glycol Alkyl Phenyl Ether: Oral rat LD50 6000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

No toxicity data for the product

Persistence and degradability: No data available.

Bioaccumulative potential: This product is not expected to bioaccumulate.

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

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 is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

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



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California Proposition 65: This product contains chemicals known to the State of California to cause cancer or reproductive toxicity.

SECTION 16: OTHER INFORMATION

NFPA Rating:	Health = 1	Fire = 0	Instability = 0
HMIS Rating:	Health = 1	Fire = 0	Physical Hazard = 0

SDS Date of Preparation: 1/15/2019

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.