

APP GRANULAR

Material Safety Data Sheet
Sheet #APPG01

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Modified Asphalt Roofing Membrane
CHEMICAL NAME	Mixture
TRADE NAME	APP Granular (Modibond G, Polybond G, Polyfresko G, Polyflex G, Polyflex HP G, Duflex G)
MANUFACTURER	Polyglass USA, Inc.
ADDRESS	1111 West Newport Center Drive, Deerfield Beach, FL 33442
PHONE	(888) 410-1375
INTERNET	www.polyglass.com
EMERGENCY PHONE	800-424-9300 Chemtrec
MSDS NUMBER	APPG01
EFFECTIVE DATE	April 7, 2011
NFPA RATING	Health 1, Reactivity 1, Flammability 0 0-least, 1-slight, 2-moderate, 3-high, 4-extreme

SECTION 2 - PRODUCT INGREDIENT

INGREDIENT NAME	COMMON NAME	CAS number	% Weight	Exposure Limit (OSHA)	Exposure Limit (ACGIH)
Petroleum Asphalt	Asphalt	8052 42 4	39.2 - 47.2	5 mg/m3 PEL	5 mg/m3 TLV (as fume)
Calcium Carbonate	Limestone	1317 65 3	13.1 - 19.2	5 mg/m3 PEL (Respirable) 15 mg/m3 PEL (Total)	3 mg/m3 TLV (Respirable) 10 mg/m3 TLV (Total)
Polyethylene	Polyethylene	9002 88 4	0 - 2.1	5 mg/m3 PEL (Respirable) 15 mg/m3 PEL (Total)	3 mg/m3 TLV (Respirable) 10 mg/m3 TLV (Total)
Polypropylene	Polypropylene	9003 07 0	2 - 6.3	Not Established	Not Established
Ethylene Propylene Copolymer	Copolymer	9010 79 1	4.5 - 14.4	5 mg/m3 PEL (Respirable) 15 mg/m3 PEL (Total)	10 mg/m3 TLV (Total)
Non-woven Polyester	Polyester mat	None assigned	3.3 - 3.6	Not established	Not established
Cont Filament glass fiber	Fiberglass mat	65997 17 3	0 - 1.8	5 mg/m3 PEL (Respirable) 15 mg/m3 PEL (Total)	1 fiber/cc TLV 5 mg/m3 TLV (Total)
Crushed Mineral	Roofing granules	None assigned	0 - 23.8	Not established	Not established

SECTION 3 - PHYSICAL/CHEMICAL DATA

PROPERTIES	UNIT	DATA
Appearance	N/A	Black roll
Boiling point	deg F	>650
Evaporation Rate	N/A	N/A
Flash Point	deg F	>430
Melting Point	deg F	>290
Odor	N/A	Mild asphalt/petroleum odor
Ph (undiluted product)	N/A	N/A
Saturation in air	%	N/A
Solids Content	N/A	N/A
Specific gravity	Air = 1	N/A
Vapor Pressure	N/A	N/A
Viscosity	cP	N/A
VOC	g/liter	N/A
Volatility	%	< 0.1
Water solubility	%	< 0.1

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY PROPERTIES

Flash point	>430 deg F (ASTM D92)
Lower Explosive	Limit Undetermined
Upper Explosive	Limit Undetermined

RECOMMENDED EXTINGUISHING MEDIA

Dry chemical, foam, water fog, CO2

UNUSUAL FIRE OR EXPLOSION HAZARDS

Burning will produce black smoke

SPECIAL FIRE FIGHTING PROCEDURES

Wear self contained breathing apparatus

SECTION 5 - HAZARD IDENTIFICATION

ACUTE HEALTH EFFECTS

Irritation of eye, nose, throat, and skin

CHRONIC HEALTH EFFECTS

Insufficient evidence of cancer induced by exposure to asphalt fumes. The International Agency for Research on Cancer (IARC) considered Crystalline Silica as a human carcinogen. Prolonged exposure to Crystalline Silica containing dust can lead to Silicosis. Continuous filament glass fibers are not classified as Carcinogens. However no significant health hazards are likely to occur due to the product form and nature of use.
Upper respiratory system

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED

Pre-existing respiratory conditions

SIGNS/SYMPTOMS OF OVEREXPOSURE

Inhalation	Headache, nausea, coughing, irritation of the upper respiratory system
Skin Contact	Burns caused by contact with hot material
Skin absorption	Not applicable
Ingestion	Not intended to be ingested
Eye Contact	Irritation/redness may occur

SECTION 6 - FIRST AID PROCEDURES

INHALATION

Remove affected person to fresh air

SKIN CONTACT

Rinse with cool water

SKIN ABSORPTION

Not applicable

INGESTION

Do not induce vomiting. Treat symptomatically.

EYE CONTACT

Flush with copious quantities of water. Consult a physician if irritation persists.

SECTION 7 - STABILITY/REACTIVITY DATA

SUMMARY

Material is stable. Hazardous polymerization will not occur.

CHEMICAL INCOMPATIBILITIES

Strong oxidizing agents, strong acids and alkalines.

CONDITION TO AVOID

Strong oxidizing agents at elevated temperatures and uncontrolled fumes.

THERMAL STABILITY

Stable

SECTION 8 - HANDLING, USE AND DISPOSAL

PROCEDURES FOR SPILLS/LEAKS

Not applicable

WASTE DISPOSAL METHOD

Standard refuse disposal. Wastes are classified as non-hazardous by U. S. Environmental Protection Agency (EPA) and as per definition by Resource Conservation and Recovery Act (RCRA). Follow all local, state, and federal regulations governing waste disposal.

Use protective equipment as described in Section IX. Keep away from heat or flame and protect from the elements.

HYGIENIC PRACTICE

Wash after any skin contact.

SECTION 9 - EXPOSURE CONTROL/PERSONAL PROTECTION

EYE

Wear safety glasses with side shields.

SKIN

Wear leather or cotton gloves (impervious)

VENTILATION

Although normal conditions of product use does not warrant any special ventilation, use in well ventilated area.

RESPIRATORY

None required unless used with hot asphalt. Use breathing apparatus (only NIOSH approved) when PEL/TLV is exceeded.

OTHER PRACTICES

None

SECTION 10 - TRANSPORTATION

Shipping	name Not regulated as a hazardous material for transport
Labeling	Not applicable
Labeling Required	None required
Hazard Class	Not applicable

SECTION 11 - MISCELLANEOUS INFORMATION

COMMENTS

Sand is applied as an anti-sticking agent to the membrane. Calcium carbonate is used as a compound stabilizer and is encased in the asphaltic matrix. Fibrous glass filaments are encapsulated in modified asphalt coating. Due to the nature of the specific use of these products, hazardous exposures are highly unlikely; however all relevant data has been provided for reference.

ADDITIONAL INFORMATION

Contact Polyglass USA at (888) 410-1375

MSDS REVISION SUMMARY

Revision Date	April 7, 2011
Reason for Change	New format

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