

# APP SMOOTH

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                        |  |
|------------------------|--|
| <b>PRODUCT NAME</b>    | Modified Asphalt Roofing Membrane  |
| <b>CHEMICAL NAME</b>   | Mixture  |
| <b>TRADE NAME</b>      | <b>APP Smooth</b> (Modibond, Polybond, Polyflex, Polyflex HP, Duflex, Polyglass Base)      |
| <b>MANUFACTURER</b>    | Polyglass U.S.A., Inc.   |
| <b>ADDRESS</b>         | 1111 West Newport Center Dr., Deerfield Beach, FL 33442                                    |
| <b>PHONE</b>           | 954-233-1330   |
| <b>INTERNET</b>        | www.polyglass.com  |
| <b>EMERGENCY PHONE</b> | 800-424-9300 Chemtrec  |
| <b>MSDS NUMBER</b>     | APP01  |
| <b>EFFECTIVE DATE</b>  | December 1, 2001   |
| <b>NFPA RATING</b>     | Health 1, Reactivity 1, Flammability 0<br>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     | 53.5 - 61.0 | 5 mg/m <sup>3</sup> PEL  |   |
| Calcium Carbonate            | Limestone      | 1317 65 3     | 7.1 - 20.3  | 5 mg/m <sup>3</sup> PEL (Respirable)<br>15 mg/m <sup>3</sup> PEL (Total) |   |
| Polyethylene                 | Polyethylene   | 9002 88 4     | 0 - 2.6     | 5 mg/m <sup>3</sup> PEL (Respirable)<br>15 mg/m <sup>3</sup> PEL (Total) |   |
| Polypropylene                | Polypropylene  | 9003 07 0     | 4.5 - 7.9   | Not Established  |   |
| Ethylene Propylene Copolymer | Copolymer      | 9010 79 1     | 5.6 - 22.4  | 5 mg/m <sup>3</sup> PEL (Respirable)<br>15 mg/m <sup>3</sup> PEL (Total) |   |
| Non-woven Polyester          | Polyester mat  | None assigned | 2.8 - 3.7   | Not established  |   |
| Cont Filament glass fiber    | Fiberglass mat | 65997 17 3    | 0 - 1.8     | 5 mg/m <sup>3</sup> PEL (Respirable)<br>15 mg/m <sup>3</sup> PEL (Total) | 1 fiber/cc TLV<br>5 mg/m <sup>3</sup> TLV (Total) |
| Crystalline silica, Quartz   | Sand           | 14808 60 7    | 5.3 - 6.9   | 0.1 mg/m <sup>3</sup> PEL (Respirable)                                   |   |

## 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       | g/cc    | 1.02 - 1.30                 |
| Vapor Density          | 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

|                          |  |
|--------------------------|--|
| <b>Shipping</b>          | name Not regulated as a hazardous material for transport |
| <b>Labeling</b>          | Not applicable   |
| <b>Labeling Required</b> | None required  |
| <b>Hazard Class</b>      | 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 (775) 575 6007

### MSDS REVISION SUMMARY

|                   |                  |
|-------------------|------------------|
| Revision Date     | December 1, 2001 |
| Reason for Change | New format       |

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