Conforms to HazCom 2012/ United States

Safety Data Sheet

Section 1. Identification

GHS product Identifier **Polyguard UV40**
Other means of identification Not available

Relevant identified used of the substance or mixtures and uses advised against
Polymer modified bitumen membrane with an aluminum UV resistant backing. This material is used to strip in or flash straight window frames, door frames, and other construction seams.

Supplier's details
Polyguard Products, Inc.
3801 South Interstate 45
Ennis, TX 75119
Tel: (214) 515-5000 (M-F 7 am-5 pm CST)

Emergency telephone number) with hours of operation)
CHEMTREC, US 1-800-424-9300 International 1-703-527-3887
(24/7)

Section 2. Hazards Identification

Classification of the substance or mixture Not classified

This product is manufactured as an article under the United States Hazard Communication System and is exempted from the regulatory requirements under HCS.

GHS label elements None required

Section 3. Composition/Information on Ingredients

Substance/Mixture Mixture
Other means of identification Not available

Ingredient name	%	CAS #
Asphalts	**50-60**	**8052-42-4**
Distillates(petroleum), petroleum residues vaccum	**1-5**	**68955-27-1**
Limestone	**10-20**	**1317-65-3**
Crystalline Silica, quartz (inpurity)	**< 1**	**14808-60-7**

The exact percentage (concentration) in the composition has been withheld as a trade secret.
Occupational exposure limits, if available are listed in section 8.
None of the components of this article are in a respirable state.

Section 4. First Aid Measures

Description of necessary first aid measures.

Eye contact	Flush with water. If pain or irritation persists, consult a physician.
Inhalation	Not likely in current form.
Skin contact	Wash with soap and water. In case of irritation, consult physician.
Ingestion	Not likely in current form.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	May cause eye irritation
Inhalation	Not applicable.
Skin contact	Irritation and redness.
Ingestion	Not known.

Section 5. Fire-Fighting Measures

Extinguishing media

Extinguishing media

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known
Specific hazards arising from the chemical	Generation of toxic fumes from burning product.
Special Fire Fighting Procedures	For large fires in confined area, use approved self-contained breathing apparatus (SCBA). Use water fog or spray to protect exposed equipment and containers.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures.

For non emergency personal	No special measures required.
For emergency responders	No special measures required.

Methods and materials for containment and cleaning up

Spill	Due to the physical state of this material, spills are not possible.

Section 7. Handling and Storage

Precautions for safe handling

Protective measures	Don appropriate personal protective equipment (see Section 8). Avoid exposure-obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes. Do not swallow. Store away from heat, sparks, open flames, and other ignition sources.
Advice on general occupational hygiene	Eating, drinking, and smoking should be prohibited in areas where material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. See section 8 for additional information on hygiene measures.
Condition for safe storage including any incompatibilities	Store in accordance with local regulations. Store protected from direct sunlight in a dry cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources.

Section 8. Exposure Controls/Personal Protection

Occupational exposure limits

Ingredient name	Exposure limits
Asphalt	**NIOSH REL (United States, 10/2016)** CEIL: 5 mg/m^3 15 minutes. Form: fume **ACGIH TLV (United States, 3/2019)** TWA: 0.5 mg/m^3 , (as benzene soluble aerosol) 8 hours. Form: inhalable fraction.
Distillates(petroleum), petroleum residues vaccum	None
Limestone	**NIOSH REL (United States, 10/2016)** TWA: 10 mg/m^3 (total) TWA 5 mg/m^3 (respirable) **OSHA PEL (United States, 2/2013)** TWA: 15 mg/m^3 (total) TWA 5 mg/m3 (respirable)
Crystalline Silica, quartz (inpurity)	**NIOSH REL (United States, 10/2016)** Ca TWA: 0.05 mg/m^3 **OSHA PEL** TWA 50 µg/m^3

Appropriate engineering controls
No special ventilation requirements. Ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Hygiene measure
Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection
Safety eyewear complying with an approved standard should be used when risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases and dusts.

Skin Protection

Hand protection
Chemical- resistant, imprevious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection
Personal protective equipment for the body should be selected based on the task being preformed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection
Appropriate footwear and any additional skin protection measures should be selected based on the task being preformed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection
Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training , and other important aspects of use.

Section 9. Physical and Chemical Properties

Appearance

Physical state	Solid
Color	Silver backing
Odor	Asphaltic(slight)
Odor threshold	Not available
pH	Not applicable
Melting point	Not available
Boiling point	Not applicable
Flash Point	Not determined
Evaporation rate:	Not applicable
Flammability (solid, gas)	Not applicable
Lower & upper explosive (flammable) limits	Not applicable
Vapor density	Not applicable
Vapor pressure	Not applicable
Relative density	1.09
Solubility	Insoluble in water
Partition coefficient: n- octanol/water	Not available
Auto- ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
VOC	0 g/l

Section 10. Stability and Reactivity

Reactivity	No data available.
Chemical stability	This product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reaction will not occur.
Conditions to avoid:	No data available
Incompatible materials	Reactive or incompatible with the following materials: Oxidizing materials
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Asphalt	LD50 Oral	Rat	>5000 mg/kg	-
Hydrogen Sulfide	LC50 Inhalation Gas	Rat	444 ppm	4 hours
	LC50 Inhalation Vapor	Rat	700 mg/m^3	4 hours
Limestone	LD50 Oral	Rat	6450 mg/kg	-
Crystalline Silica, quartz (inpurity)	LD50 Oral	Rat Mouse	500 mg/kg	-

Section 11. Toxicological Information

Irritation/Corrosion There is no data available
Sensitization There is no data available
Mutagenicity There is no data available
Carcinogenicity
Classification

Product/ingredient name	OSHA	IARC	NTP
Asphalt	-	2B	-
Crystalline Silica, quartz (inpurity)	-	1	-

Reproductive toxicity There is no data available
Teratogenicity There is no data available

Specific target organ toxicity (single exposure) There is no data available
Specific target organ toxicity (repeated exposure) There is no data available
Aspiration hazard There is no data available
Information on the likely routes of exposure Routes of entry anticipated: dermal contact
Routes of entry not anticipated: Oral, inhalation, ingestion

Potential acute health effects
Eye contact No known significant effects or critical hazards
Inhalation No known significant effects or critical hazards
Skin contact No known significant effects or critical hazards
Ingestion No known significant effects or critical hazards

Symptoms related to the physical, chemical, and toxicological characteristics
Eye contact No known significant effects or critical hazards
Inhalation No known significant effects or critical hazards
Skin contact No known significant effects or critical hazards
Ingestion No known significant effects or critical hazards

Delayed and immediate effects and chronic effects from short- and long-term exposure
Short term exposure
Potential immediate effects No known significant effects or critical hazards
Potential delayed effects No known significant effects or critical hazards
Long term exposure
Potential immediate effects No known significant effects or critical hazards
Potential delayed effects No known significant effects or critical hazards
Potential chronic health effects
General No known significant effects or critical hazards
Carcinogenicity No known significant effects or critical hazards
Mutagenicity No known significant effects or critical hazards
Teratogenicity No known significant effects or critical hazards
Developmental effects No known significant effects or critical hazards
Fertility effects No known significant effects or critical hazards

Numerical measures of toxicity
Acute toxicity estimates No data available

Section 12. Ecological Information

Toxicity

Product/ingredient name	Result	Species	Exposure
Hydrogen Sulfide	Acute EC50 62 µg/L Fresh water Acute LC50 2 µg/L Fresh water	Crustaceans-Gammarus pseudolimnaeus Fish- Coregonus clupeaformis- Yolk Sac fry	2 days 96 hours

Persistence and degradability There is no data available
Bioaccumulative potential There is no data available
Mobility in soil
Soil/water partition coefficient (K_{OC}) There is no data available.

Other adverse effects No known significant effects or critical hazards

Section 13. Disposal Considerations

Disposal methods The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Section 14. Transportation Information

AERG: Not applicable
Regulatory Information:
DOT/TDG/IMDG/IATA Not regulated

Section 15. Regulatory Information

U.S. Federal regulations: **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
United States inventory (TSCA 8 b): all components are listed or exempted
Clean Air Act Section 112 (b) Hazardous air pollutants (HAPs) Not listed
Clean Air Act (CAA) Section 602 Class I Substances Not listed
Clean Air Act (CAA) Section 602 Class II Substances Not listed
DEA List I Chemicals (Precursor chemicals) Not listed
DEA List II Chemicals (Essential Chemicals) Not listed
SARA 302/304

Section 15. Regulatory Information

Composition/information on ingredients	
SARA 304 RQ	Not applicable
SARA 311/312	Not applicable
SARA 313	Not applicable
State regulations	
Massachusetts	The following components are listed: Petroleum asphalt
New Jersey	The following components are listed: Petroleum asphalt
New York	None of the components are listed
Pennsylvania	The following components are listed: Petroleum asphalt
California Prop.65	None of the components are listed on the Prob 65 list dated 2-25-2022.

16. Other Information

Date of revision:	**12-14-2022**
Date of previous issue	**4-3-2020**
Revisions:	**Product name change from Alumaflash Plus to Polyguard UV40. Update information regarding exposure to Crystal Silica., update company information.**
Version	**3**
Prepared by	**C. Rogalski**

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