



Safety Data Sheet

SECTION 1: PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: Rooflex Asphalt Emulsion

Recommended Use: Roofing and other construction applications.

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: 06/5/14

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

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification:

Physical	Health
Not Hazardous	Not Hazardous

Label Elements:

Not Hazardous in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS)

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS#</u>	<u>WT.%</u>
Asphalt	8052-42-4	35-55
Potassium bi-chromate (Hexavalent chromium)	7778-50-9	< 0.05*
Water and non-hazardous ingredients	Mixture	60-70

*Cr+6 is dissolved Cr and is not respirable, actual concentration of Cr+ is 0.014% by total weight.

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 rash or irritation develops, get medical attention. Launder clothing before re-use.

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

Ingestion: If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: May cause eye and skin irritation.

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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.

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

Specific Hazards Arising from the Chemical: Will not burn unless fully cured. Combustion products may include oxides of carbon and sulfur, hydrogen sulfide, sulfur dioxide and hydrocarbons.

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: Collect spilled material with inert material and place into a closable container for disposal.

SECTION 7 HANDLING and STORAGE

Precautions for Safe Handling: Avoid contact with the eyes, skin and clothing. Avoid breathing vapors. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Some countries may have special requirements for handling hexavalent chromium. In the United States refer to OSHA 1910.1026 for requirements for handling and use of hexavalent chromium compounds.

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 container closed when not in use.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Guidelines:

INGREDIENTS	EXPOSURE LIMITS
Asphalt	0.5 mg/m ³ TWA ACGIH TLV (as asphalt fume)
Potassium bi-chromate	0.005 mg/m ³ TWA OSHA PEL (as Chromium VI) 0.05 mg/m ³ TWA ACGIH TLV (as Chromium)

Appropriate Engineering Controls: Use with adequate 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.



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Gloves: Nitrile or other impervious gloves are recommended to prevent skin contact.

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

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

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

Appearance And Odor: Dark brown, thick compound with a slight hydrocarbon odor

Boiling Point (@ 760 mmHg): Not available	Freezing Point: Not available
Odor Threshold: Not available	Viscosity: Not available
Relative density (H₂O=1): 1.05	Vapor Pressure: Not available
VOC: <50 g/L (1.0 lbs./gal)	Vapor Density (AIR=1): Not available
Evaporation Rate: Not available	Solubility In Water: Insoluble but miscible
pH: 6.0 - 8.0	Partition Coefficient n-Octanol/Water: Not determined
Flash Point: Not Applicable	Autoignition Temperature: Not available
Decomposition Temperature: Not available	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 and water.

Hazardous decomposition products: Thermal decomposition may yield oxides of carbon and sulfur, hydrogen sulfide, sulfur dioxide and hydrocarbons.

SECTION 11 TOXICOLOGICAL INFORMATION

Eye: Contact may cause irritation with redness and tearing.

Skin: Contact may cause irritation, drying and dermatitis.

Inhalation: Hydrogen sulfide will evolve from asphalt and collect in the headspace of containers. Hydrogen sulfide is irritating to the eyes and respiratory tract at low concentrations. High concentrations of hydrogen sulfide can cause respiratory arrest and death.

Ingestion: Ingestion may cause mucous membrane and gastrointestinal irritation

Sensitization: None of the components present at 0.1% or greater are listed as a sensitizer.

Chronic Effects: Potassium dichromate may cause cancer, changes in genetic material and reproductive toxicity.

Carcinogenicity: Potassium dichromate is classified as a known human carcinogen by OSHA, ACGIH, IARC and NTP and category 2 carcinogen by the EU Dangerous Substances Directive. None of the other components present at 0.1% or greater are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

Numerical Measures of Toxicity:

Asphalt: Oral Rat LD50 - >5.0 g/kg; Skin Rabbit LD50 - > 2.0 g/kg

Potassium dichromate: LD50 oral rat 168 mg/kg; LC50 inhalation rat 0.088-0.093 mg/L; LD50 dermal rabbit 1150 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Asphalt: Toxicity in fish, daphnia and algae is estimated >1000 mg/L

Persistence and degradability: Asphalt is not biodegradable.

Bioaccumulative potential: No data available.



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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

Proper Shipping Name: Not Regulated
UN Number: None
Hazard Class/Packing Group: None
Labels Required: None
Special precautions: None known

SECTION 15: REGULATORY INFORMATION

SARA Hazard Category (311/312): Not Hazardous,

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:

Potassium Dichromate 7778-50-9 <0.05%

CERCLA Hazardous Substances (Section 103)/RQ: The RQ for the product, based on the RQ for Potassium Dichromate (0.05% maximum) of 10 lbs., is 20,000 lbs. 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.

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

WHMIS Classification: Not a controlled product

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

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: 06/05/14

Revision Summary: Change in format and content – Hazcom 2012, Changes to all Sections.

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.