Conforms to HazCom 2012/ United States

Safety Data Sheet

Section 1. Identification

GHS product Identifier 650 Mastic
Other means of identification Not available

Relevant identified used of the substance or mixtures and uses advised against
650 Mastic is an integral part of the waterproofing system.

Supplier's details
Polyguard Products, Inc.
3801 South Interstate 45
Ennis, TX 75119
Tel: (800) 541-4994

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

Section 2. Hazards Identification

OSHA/HCS status
This material is considered hazardous by the OSHA Hazardous Communications Standard (49CFR1910.1200) .

Classification of the substance or mixture
Flammable liquid- Category 3
Skin Irritation- Category 2
Eye irritation- Category 2
Target organ toxicity, repeated exposure- Category 2

GHS label elements
Hazard pictogram



Signal word Warning
Hazard statement
Flammable liquid and vapor
Causes skin irritation.
Causes eye irritation.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements
Prevention
Keep away from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical and lighting equipment.Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves, protective clothing, eye protection and face protection. Do not breathe mist or spray. Do not eat, drink, or smoke when using this product. Wash exposed areas thoroughly after handling.

Response
In CASE OF FIRE: Use carbon dioxide (CO_2), alcohol foam, water fog or dry chemical to extin DO NOT use stream/jet of water as this will spread the fire. IF ON
SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or sho wer
ON SKIN: Wash with plenty of soap and water. Specific treatment:
Apply hand or body lotion to reduce irritation. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do-continue rinsing. If eye irritation persists, get medical advice and/or attention. DO NOT induce vomiting. Get medical advice/attention if you feel unwell.

Section 2. Hazards Identification

Storage Store in a well-ventilated place. Keep cool.

Disposal Dispose of contents and container in accordance with all local, regional, national, and international regulations.

Section 3. Composition/Information on Ingredients

Substance/Mixture Mixture
Other means of identification Not available
CAS number/other identifiers
CAS number Not applicable
Product code Not applicable

Ingredient name	%	CAS Number
Petroleum Distillate	5-25	8052-41-3
Asphalt	30-60	8052-42-4
Aromatic Naphtha	1-10	64742-95-6
Kaolinite	20-30 %	1318-74-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.
There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
Occupational exposure limits, if available , are listed in Section 8.

Section 4. First Aid Measures

Description of necessary first aid measures.
Eye contact Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so and continue rising. If eye irritation persists; Get medical attention.
Inhalation Remove person to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.
Skin contact Remove immediately all contaminated clothing and wash before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Ingestion IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get medical advice and/or attention if you feel unwell.

Most important symptoms/effects, acute and delayed
Potential acute health effects
Eye contact Symptoms may include stinging, tearing, redness, swelling and blurred vision.
Inhalation Prolonged or repeated exposure may cause chronic effects.
Skin contact May cause redness, itching and /or pain.

Indication of immediate medical attention and special treatment needed, if necessary.
Provide general supportative measures and treat symptomatically.

Section 5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media	Use carbon dioxide (CO_2), alcohol foam, water spray (fog) or dry chemical to extinguish.
Unsuitable extinguishing media	Do not use stream or jet of water as this will spread fire.
Specific hazards arising from the chemical	Vaporized material may form explosive mixture in air.
Hazardous thermal decomposition products	Thermal decomposition (burning) will produce oxides of carbon including carbon monoxide and may also produce irritating, corrosive and/or toxic gases, vapors, and fumes.
Special protective equipment for fire fighting	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive pressure mode.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures.

For non emergency personal	Evacuate surrounding area. Keep unecessary and unprotected personnel from entering. Shut off all iginition sources. No flares,smoking, or flames in hazard areas. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unstuiatble materials. See also the information in “For non-emergency personnel.
Enviromental precautions	Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

Methods and materials for containment and cleaning up

Spill	Stop leak if without risk. Move container from spill area. Use spark proof tools and explosion proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Contain and collect spillage with non-combustible, absorbent material (e.g., sand, earth, oil dry) and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and Storage

Precautions for safe handling

Protective measures	Don appropriate personal protective equipment (see Section 8). Do not handle until safety precautions have been read and understood. Do not get in eyes or on the skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear an appropriate respirator when ventilation is inadequate. Do not enter storage area or confined spaces unless adequately ventilated. Keep in original container or an approved alternative made from compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flames, and any other ignition source. Use explosion-proof electrical (ventilation, lighting, and material handling) equipment. Use only non- sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
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. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures.

Section 7. Handling and Storage

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in segregated and approved area. Store in original container protected from direct sunlight in a dry cool and well-ventilated area away from incompatible materials (see section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready to use. Do not store in unlabeled containers.

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits	
Petroleum Distillate	**OSHA PEL-TWA** TWA: 500 ppm	**ACGIH TLV-TWA** TWA: 100 ppm

Appropriate engineering controls

Use only with adequate ventilation.

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

Chemical splash goggles/ Face shield.

Skin Protection

Hand protection

Chemical protective gloves.

Body protection

Personal protective equipment for the body should be selected based on the task being preformed and the risks involved.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being preformed.

Respiratory protection

Level of exposure needs to be determined. If required, use a particulate filter, NIOSH-approved air purifying respiator with organic vapor cartridge or a supplied air respirator .

Section 9. Physical and Chemical Properties

Appearance

Physical state	Paste
Color	Black
Odor	Mild Petroleum Odor
Odor threshold	Not determined
pH	Not applicable
Melting point	Not determined
Boiling point	> 350° F (>177 °C)
Flash Point	>105 °F (>40 °C) component with lowest PMCC flash point
Evaporation rate	Not determined
Lower & upper explosive (flammable) limits	Lower: 0.8% Upper: 6%
Evaporation rate	Not determined
Vapor density	>1
Vapor pressure @ 20 °C	< 3 mm Hg, based on solvent
Specific Gravity, 16 ° C	> 1.0
Solubility	Very slight
Partition coefficient: n-octanol/water	Not determined
Auto- ignition temperature	>410 □F (>210 °C)
Decomposition temperature	Not determined
Viscosity	Time, temperature, and shear dependent

Section 10. Stability and Reactivity

Reactivity

Chemical stability	Stable
Hazardous Reactions	Combustion
Polymerization	Will not occur.
Conditions to avoid	Strong oxidizing agents: sources of ignition.
Incompatible materials	Strong oxidizing agents
Decomposition Hazards	Combustion products: Oxides of carbon, nitrogen, and sulfur and potentially irritating and/or toxic fumes.

Section 11. Toxicological Information

Information on toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure
Petroleum Distillates	LD50 LC50	Rat Rat	>5 gm/Kg > 5500 mg/M^3	- 4 hours

Potential acute health effects

Eye contact	Causes eye irritation.
Inhalation	May cause damage to organs through prolonged or repeated exposure.
Skin contact	Causes skin irritation.
Ingestion	Expect low ingestion hazard. DO NOT induce vomiting. AVOID ASPIRATION.

Delayed and immediate effects and also chronic effects from short- and long-term exposure

Prolonged or repeated inhalation of petroleum distillates may cause damage to organs.

Carcinogenicity

None of the components of this mixture are considered to be carcinogen by IARC, ACGIH, NTP, or OSHA.
Bitumen fumes generated at paving temperatures in excess of 250 F (120 C) are classified by IARC as “possible carcinogenic to human” (Group 2B) but this product is used at ambient temperature and does not generate fumes.

Section 12. Ecological Information

Eco Toxicity

This mixture contains components that are potentially toxic to freshwater and saltwater ecosystems.

Environmental Fate

This material may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

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. Dispose of surplus and non-recycled products via a licensed waste disposal contractor. Waste should not be disposed of in a sewer. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, water ways, drains and sewers.

Section 14. Transportation Information

	DOT Classification	IATA	IMDG
UN Number	NA1993	UN 1993	UN 1993
UN Proper Shipping Name	Combustible Liquid, N.O.S. (contains Petroleum Distillates, n.o.s.)	Flammable Liquid, N.O.S. (contains Petroleum Distillates, n.o.s.)	Flammable Liquid, N.O.S. (contains Petroleum Distillates, n.o.s.)
Transportation hazard class	3 	3 	3 
Packing Group	III	III	III
Additional Information	Exceptions 173.150 Non-bulk 173.203	Limited quantity- Passenger aircraft- 60 L Cargo Aircraft- 220 L	Vessel stowage location A

Section 15. Regulatory Information

U.S. Federal regulations: **United States inventory:** All components are on the TSCA inventory.
SARA Title III, section 313 No chemicals listed.
SARA Title III, section 311 & 312 Fire hazard

16. Other information

Date of revision: **9/19/2023**
Date of previous issue: **4/30/15**
Revisions: **Updated information in sections 2, 3 and 4.**
Version: **4**
Prepared by: **C. Rogalski**

Notice to the reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.