VERSION: 1.1

REVISION DATE: 2022-05-15

SAFETY DATA SHEET

1. Identification

1.1 **Material Name:** HULK SYSTEMS Mastic
1.2 **Material Form:** Mixture

1.3 **Recommended use and restrictions on use**
Non - recommended use(s): None known

1.4 **Manufacturer/Importer/Supplier/Distributor Information**

Weatherskin Corporation
4209 Brandon Street SE
Calgary, AB T2G 4A7
CA

Contact person:	EH&S Department
Telephone:	403 287 2751
Emergency telephone number:	In case of emergency call CANUTEC: 613-996-6666

2. Hazard(s) Identification

2.1 Hazard Classification

GHS – US classification

Flammable Liquid 3 H226

Eye Irritant 2A H319

Skin Sensitization 1 H317

Germ Cell Mutagenicity 1B H340

Carcinogenicity 1B H350

Specific Target Organ Toxicity SE3 H336

Aspiration Toxicity 1 H30

2.1.2 Environmental Hazards — Harmful to aquatic life.

2.1.4 Hazards Summary

Irritating to eyes and skin.

May cause irritation to the respiratory system.

Flammable

Harmful to aquatic life.

2.2 Label Elements

Symbols:

Signal Word: Danger

Hazard Statement:

H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H340: May cause genetic defects.
H350: May cause cancer.

Precautionary Statements:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, open flames, sparks - no smoking.
P233: Keep container tightly closed
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical, lighting, ventilating equipment
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing fume, vapors.

P264: Wash clothing, hands, forearms, and face thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing must not be allowed out of the workplace.
P280: Wear eye protection, face protection, protective gloves, protective clothing.
P301+P310: IF SWALLOWED - Immediately call a poison center.
P302+P352: IF ON SKIN - Wash with plenty of soap and water.
P303+P361+P353: IF ON SKIN (or hair) - Immediately take off all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED - Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: If exposed or concerned - Get medical advice/attention.
P312: Call a doctor if you feel unwell.
P321: Specific treatment (see first aid instructions on this label).
P331: Do NOT induce vomiting.
P333+P313: If skin irritation or rash occurs - Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention
P362+P364: Take off contaminated clothing and wash it before reuse.
P370+P378: In case of fire - Use carbon dioxide (CO2), dry sand, foam to extinguish.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

2.3 Other Hazards

Other hazards not contributing to the classification: None under normal conditions.

2.4 Unknown Acute Toxicity

No data available

3. Composition / Information on Ingredients

3.1 Substances

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3.2 Mixtures

Hulk Systems Mastic®

Ingredient Name	C.A.S #	Percentage
Petroleum distillates, hydrotreated light	64742-47-8	15 - 30
Solvent naphtha, petroleum, light aromatic	64742-95-6	15 - 25
Titanium dioxide	13463-67-7	5 - 10
Benzene, 1,2,4-trimethyl-	95-63-6	6 - 9
Nonane	111-84-2	1 - 2
Ceramic microspheres	66402-68-4	5 - 10
Isobutyl alcohol	78-83-1	0.1 – 0.3
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.1 – 0.4
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	82919-37-7	0.1 – 0.2

4. First-Aid Measures

4.1 Description of first aid measures

EYE CONTACT: Rinse cautiously with eyewash solution or clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention immediately. Continue rinsing eyes during transport to hospital.

SKIN CONTACT: If on skin, clothing, or hair, immediately remove all contaminated clothing. Rinse skin, washing thoroughly with water for at least 15 minutes. Get medical attention immediately.

INHALATION:	Remove patient from exposure, keep warm and at rest. Get medical attention. If breathing has stopped, give artificial respiration.
INGESTION:	Clean mouth thoroughly with water. Keep respiratory tract clear. Do not induce vomiting. Immediately call a POISON CENTER / Doctor.

4.2 Most important symptoms and effects (acute and delayed)

Symptoms/injuries:	May cause cancer. May cause genetic defects. May be fatal if swallowed and enters airways. Causes serious eye irritation.
Symptoms/injuries after inhalation:	May cause irritation and damage to respiratory tissues. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact:	May cause an allergic skin reaction.
Symptoms/injuries after eye contact:	Causes serious eye irritation.
Symptoms/injuries after ingestion:	May cause gastrointestinal irritation.
Chronic symptoms:	May cause cancer. May cause genetic defects.

4.3 Indication of any immediate medical attention or special treatment needed

No additional information available.

5. Firefighting Measures

5.1 Extinguishing Media

Suitable extinguishing media:	Foam, dry powder, carbon dioxide.
Unsuitable extinguishing media:	Do not use a heavy water stream.

5.2 Hazards

Fire hazard:	This product is flammable.

Explosion hazard:	May create vapor/air explosion hazard in confined spaces.
Reactivity:	Flammable liquid and vapor.
5.3 Firefighting procedures:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of firefighting water in the environment. Vapors are heavier than air and may travel long distances along the ground to an ignition source and flash back
5.4 Special protective equipment:	Self contained breathing apparatus and protective clothing should be worn in the case of fire.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

General Measures:	Remove ignition sources. Keep upwind.

6.1.1 For Non-Emergency Personnel

Protective Equipment:	Wear Protective equipment as described in Section 8.
Emergency procedures:	Evacuate unnecessary personnel.

6.1.2 For Emergency Responders:

Protective Equipment:	Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2 Accidental Release Measures

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

6.3 Methods and Materials for Containment and Cleaning Up

For containment:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleanup:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable

container for disposal in accordance with the waste regulations (see Section 13).

6.4 Environmental Precautions

Do not allow to enter drains, waterways, sewers, basements, or confined areas. Do not discharge into the subsoil / soil. If the product contaminates rivers and lakes or drains inform the respective authorities.

7. Handling and Storage

7.1 Handling

Technical measures:	Use only in well ventilated area. Avoid breathing vapor or mist. Avoid all personal contact.
Safe handling advice:	Use personal protective equipment. Emergency shower and eye wash facilities should be readily available. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Contact avoidance measures:	No data available.

7.2 Hygiene Measures

Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Wash contaminated clothes before reuse. Do not eat, drink, or smoke when handling this product. Remove contaminated clothing and protective equipment before entering eating areas.

7.3 Storage

Safe storage conditions:	Store in dry, well-ventilated area. Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Safe packaging materials:	No data available.

8. Exposure Controls / Personal Protection

8.1 EXPOSURE LIMITS

Hazardous Components (Chemical Name)	Occupational Exposure Limits
Titanium Dioxide	15 mg/m3. TWA (dust total) *
C.I. Pigment Black 7	3.5 mg/m3. ACGIH TLV TWA.

* Both pigments are dispersed in a liquid phase. They are not present in solid state as dust or loose particles.

8.2 EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS

Use local exhaust ventilation to maintain airborne concentrations at safe levels. Ensure adequate ventilation, especially in confined areas. Suitable respiratory equipment should be used in cases of insufficient ventilation or where demand it. Use explosion-proof equipment with flammable materials.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Equipment:

Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Eye Protection:

Use tightly fitting chemical splash goggles. Wear face shield if splashing hazard exists. Contact lenses should not be worn when working with chemicals because they contribute to the severity of an eye injury in case of exposure.

Hand Protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol

	laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier. Change contaminated gloves immediately.
Body Protection:	Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
Other Protective Equipment:	Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and Chemical Properties

Appearance

Physical State:	Liquid.
Color:	No available.
Odor:	Slight hydrocarbon odor.

Properties

Boiling Point:	154.4 - 178.3 °C (310-353 °F)
Freezing Point:	Not available.
Melting Point:	Not available.
Flash Point:	38.3 – 39.4 °C (101-103°F)
PH:	Not available.
Viscosity:	20.000 CPR.
VOC content:	410 g/L.
Evaporation rate:	Not available.
Solubility in water:	Negligible.
Vapor pressure:	2 mm Hg at 20°C (68°F)
Vapor density:	No data.
Relative Density:	0.94.
Relative Vapor Density at 20°C:	Heavier than air.
Auto ignition Point:	230 °C (450°F)
Decomposition Temperature:	Not available.
Flammability (solid, gas):	Not available.
Explosive properties:	Not available.
Oxidising Properties:	Not available.
Log Pow:	Not available.
Log Know:	Not available.
Viscosity, kinematic:	Not available.

Viscosity, dynamic:	Not available.

10. Stability and Reactivity

Reactivity:	Flammable liquid and vapor.
Chemical Stability:	No data available.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No flames, no sparks. Eliminate all sources of ignition. Heat. Prevent vapor accumulation.
Incompatible Materials:	Strong acids, strong alkalis, oxidizing agents.
Hazardous decomposition products:	No data available.

11. Toxicological Information

11.1 Acute Toxicity (not classified)

Ingredient Name	Test	Species	Result	Exposure
Petroleum distillates, hydrotreated light (64742-47-8)	LD50 Oral	Rat	>5000 mg/kg	
	LD50 Dermal	Rabbit	>2000 mg/kg	
	LC50 Inhalation	Rat	>5.2 mg/l	4 h
Nonane (111-84-2)	LC50 Inhalation	Rat	3200 ppm	4 h
Solvent naptha, petroleum, light aromatic (64742-95-6)	LD50 Dermal	Rabbit	>2000 mg/kg	
	LC50 Inhalation	Rat	3400 ppm	4 h
Titanium dioxide (13463-67-7)	LD50 Oral	Rat	>10000 mg/kg	
Isobutyl alcohol (78-83-1)	LD50 Oral	Rat	2460mg/kg	
	LD50 Dermal	Rabbit	3400mg/kg	
	LC50 Inhalation	Rat	>6.5mg/l	4h
Benzene, 1,2,4-trimethyl- (95-63-6)	LD50 Oral	Rat	3280 mg/kg	
	LD50 Dermal	Rabbit	>3160mg/kg	
	ATE CLP (gases)		4500.000 ppmv	4h

	ATE CLP (vapors)		11.000 mg/l	4h
	ATE CLP (dust, mist)		1.500 mg/l	4h
Bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	LD50 Oral	Rat	2615mg/kg	

Skin Corrosion: Not classified.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: May cause genetic defects.

Carcinogenicity: May cause cancer.

Silica: Crystalline, quartz (14808-60-7)

IARC group: 1 – Carcinogenic to humans.

Titanium dioxide (13463-67-7)

IARC group: 2B – Possible carcinogenic to humans.

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Not classified.

Aspiration hazard: May be fatal if swallowed and enters airways.

Symptoms/injuries after inhalation: May cause irritation and damage to respiratory tissues. May cause drowsiness or dizziness.

Symptom/injuries after skin contact: May cause an allergic skin reaction.

Symptom/injuries after eye contact: Causes serious eye irritation.

Symptom/injuries after ingestion: May cause gastrointestinal irritation.

Chronic symptoms: May cause cancer. May cause genetic defects.

12. Ecological Information

12.1 Toxicity

Ecological General:	Aquatic toxicity rating not determined. All possible measures should be taken to prevent release into the environment.
12.2 Persistence and Degradability:	Not established.
12.3 Bio-accumulative potential:	No data available.
12.4 Mobility in soil:	No data available.
12.5 Other adverse effects:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:	Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
Waste Disposal Method:	Dispose in a safe manner in accordance with local/national regulations.
Contaminated Packaging:	No data available.

14. TRANSPORTATION INFORMATION

In accordance with DOT

Transport document description:	UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, III

UN-No. (DOT):	1263
DOT NA no.:	UN1263
Proper Shipping Name (DOT):	Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base).
Department of Transportation (DOT) Hazard Classes:	3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT):	3 - Flammable liquid

Packing group (DOT):	III - Minor Danger
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27):	5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75):	60 L
DOT Vessel Stowage Location:	B - (i) The material may be stowed ''on deck'' or ''under deck'' on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) ''On deck only'' on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

15. OTHER INFORMATION INCLUDING DATE OF PREPARATION OR LAST REVISION

Preparation Date:	May 15th, 2022.

Version #:	1.0
SDS prepared by:	Weatherskin Corporation.
Further Information:	
NFPA health hazard:	3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard:	2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
NFPA reactivity:	0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health:	3*
Flammability:	2
Physical:	0
Personal Protection:	

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