



MAD SOAPS

SAFETY DATA SHEET

Plastic Guard

1. IDENTIFICATION

Product Identifier	Plastic Guard
Product Code / SKU	MAD-PLG-043
Recommended Use	Silicone-based protectant and dressing for marine plastic trim, rubber seals, vinyl fenders, non-skid surfaces, and exterior plastic components. Restores color, repels water, and protects against UV degradation.
Restrictions on Use	Do not apply to glass, painted surfaces, or surfaces where slip hazard may result. Not for food-contact surfaces or internal use. Keep away from ignition sources.

Supplier / Distributor

Company	MAD SOAPS Inc.
Address	2830 Solomons Island Rd, Edgewater, MD 21037
Phone	(883) 623-7627
Email	marketing@madsoaps.com

Manufacturer

Company	CleanEdge LLP
Address	3121 Wilmarco Drive, Baltimore, MD 21223
Phone	(443) 524-0864
Reference	Bulk product: HI SHINE. Hazard data derived from manufacturer bulk SDS.

Emergency Contact

24-Hour Chemical Emergency	CHEMTREC: 1-800-424-9300 (USA / Canada)
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2. HAZARD(S) IDENTIFICATION



GHS02 — Flammable
GHS07 — Exclamation Mark
GHS08 — Health Hazard

Signal Word: DANGER

Classification: Flammable Liquid — Category 3; Skin Irritation — Category 2; Eye Irritation — Category 2A; Aspiration Toxicity — Category 1.

Hazard Statements

H226 — Flammable liquid and vapor.
H304 — May be fatal if swallowed and enters airways.
H315 — Causes skin irritation.
H319 — Causes serious eye irritation.

Precautionary Statements — Prevention

Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Keep container tightly closed. Use non-sparking tools. Wear protective gloves, eye protection, and face protection. Wash thoroughly after handling. Avoid prolonged skin contact. Use only outdoors or in a well-ventilated area. Keep out of reach of children.

Precautionary Statements — Response

IF SWALLOWED: Immediately call POISON CENTER: 1-800-222-1222 or doctor. Do NOT induce vomiting — aspiration hazard. IF ON SKIN: Wash with plenty of soap and water. Remove contaminated clothing. Get medical attention if irritation persists. IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation persists. IF INHALED: Remove person to fresh air. Get medical attention if symptoms occur. IN CASE OF FIRE: Use dry chemical, CO₂, foam, or water spray to extinguish.

Precautionary Statements — Storage

Store in a cool, well-ventilated place away from heat and ignition sources. Avoid freezing or high heat. Keep container tightly closed. Keep out of reach of children.

Precautionary Statements — Disposal

Dispose of contents and container in accordance with applicable federal, state, and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Synonyms / Description	CAS No.	OSHA PEL	Concentration
Petroleum Distillates	Distillates, petroleum, hydrotreated light; aliphatic hydrocarbon solvent	64742-47-8	100 ppm TWA	60 – 80%
Polydimethylsiloxane	PDMS; silicone oil; dimethyl silicone fluid	63148-62-9	None	20 – 40%

Concentrations are percent by weight. All ingredients are listed on the TSCA Inventory. No OSHA, NTP, or IARC listed carcinogens are present in this product. Petroleum distillates (CAS 64742-47-8) are subject to SARA Title III reporting requirements.

4. FIRST-AID MEASURES

Eye Contact	Flush immediately with running water for at least 15 minutes. Remove contact lenses if present. Continue rinsing. See a physician.
Skin Contact	Flush skin with plenty of soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.
Inhalation	Remove person to fresh air. Keep comfortable for breathing. Get medical attention if symptoms occur. High vapor concentrations may cause dizziness, headache, or narcosis.
Ingestion	CRITICAL — Do NOT induce vomiting: aspiration of petroleum distillates into lungs can cause chemical pneumonitis and may be fatal. Immediately call POISON CENTER: 1-800-222-1222 or doctor. Dilute with 1–2 glasses of water if conscious and advised by medical personnel.
Most Important Symptoms	Eye and skin irritation; dizziness or headache from vapor inhalation; chemical pneumonitis from aspiration.
Notes to Physician	Aspiration hazard. Do not induce emesis. If ingested, consider bronchoalveolar lavage. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, carbon dioxide (CO ₂), dry chemical, or alcohol-resistant foam.
Unsuitable Extinguishing Media	Direct water stream — may spread burning liquid.
Specific Hazards	FLAMMABLE — flash point 174°F (79°C). Vapors may travel to ignition source and flash back. Flammable range: LEL 0.6% to UEL 7.0%. Containers may rupture under heat. Keep away from heat, open flames, and sparks.
Special PPE for Firefighters	Full structural fire-fighting protective clothing. SCBA in enclosed spaces.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Eliminate ALL ignition sources immediately. Use appropriate PPE (see Section 8). Ensure adequate ventilation. Avoid breathing vapors. Keep upwind.

Environmental Precautions: Prevent entry into waterways, sewers, or confined areas. Petroleum distillates are harmful to aquatic organisms. Notify appropriate authorities if significant spill cannot be contained.

Containment & Cleanup: Remove all ignition sources. Absorb with dry sand or inert absorbent (avoid combustible absorbents). Collect into labeled, sealed containers. Do not flush to storm drains or waterways.

7. HANDLING AND STORAGE

Safe Handling: FLAMMABLE — keep away from heat, sparks, static discharge, and open flames (flash point 174°F / 79°C). Use non-sparking tools in enclosed spaces. Avoid contact with eyes and prolonged contact with skin. Do not ingest. Keep out of reach of children.

Safe Storage: Store at ambient temperature away from heat and ignition sources. Avoid freezing or exposure to high heat. Keep container tightly closed. Comply with NFPA 30 for bulk storage.

Incompatible Materials: Strong oxidizers; strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	OSHA PEL (TWA)	ACGIH TLV (TWA)
Petroleum Distillates (CAS 64742-47-8)	100 ppm	100 ppm
Polydimethylsiloxane (CAS 63148-62-9)	None established	None established

Engineering Controls: Use local exhaust ventilation in enclosed areas. Explosion-proof equipment required where flammable vapors may accumulate. Provide eyewash station.

PPE — Eye/Face: Safety glasses with side shields; chemical splash goggles for spray use.

PPE — Hands: Rubber or neoprene gloves. Avoid prolonged skin contact.

Respiratory: Not normally required for outdoor use. For sustained indoor use: NIOSH-approved organic vapor/P100 respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor	Clear liquid, solvent odor
pH	N/A (non-aqueous)
Specific Gravity	0.90
Boiling Point	350°F (177°C)
Flash Point	174°F (79°C) — FLAMMABLE LIQUID (Category 3)
Flammable Range	LEL: 0.6% / UEL: 7.0% (by volume in air)
Melting / Freeze Point	<20°F (<-7°C)
Vapor Density	>1 (air = 1)
Evaporation Rate	0.10 (n-BuOAc = 1)
Solubility in Water	Insoluble
Viscosity	~100 cps

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat above flash point (174°F/79°C); open flames; sparks; strong oxidizers.
Incompatible Materials	Strong oxidizers; strong acids.
Hazardous Decomposition	None known under normal use. Combustion may produce CO, CO ₂ , and hydrocarbon vapors.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure: Inhalation, skin contact, eye contact, ingestion.

Aspiration Toxicity (H304): Petroleum distillates are classified as Aspiration Toxicity Category 1. If swallowed and aspirated into lungs, may cause severe chemical pneumonitis. Do NOT induce vomiting.

Flammability (H226): Flash point 174°F (79°C). Flammable liquid and vapor.

Skin Irritation (H315): Causes skin irritation. Prolonged or repeated contact may cause defatting and dermatitis.

Eye Irritation (H319): Causes serious eye irritation.

Inhalation: High vapor concentrations may cause dizziness, headache, nausea, or narcosis. Use in well-ventilated areas.

Carcinogenicity: No components are classified as carcinogens by IARC, NTP, or OSHA.

Reproductive Toxicity: No components are classified for reproductive toxicity.

For specific LD50/LC50 data on individual ingredients, contact CleanEdge LLP Technical Services: (443) 524-0864.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Low concentrations may be harmful to aquatic organisms. Petroleum distillates are toxic to fish and invertebrates. Do not discharge to surface water, waterways, or the marine environment.
Persistence / Biodegradability	Petroleum distillates are moderately biodegradable. Polydimethylsiloxane is persistent but of low aquatic toxicity.
Bioaccumulative Potential	Low for polydimethylsiloxane. Petroleum distillates have low bioaccumulation potential.
Mobility in Soil	Petroleum distillates are moderately mobile in soil. Insoluble in water — will float on water surface.

13. DISPOSAL CONSIDERATIONS

Dispose of contents and container in accordance with all applicable local, state, county, and federal laws and regulations. Do not pour down drain, into waterways, or onto ground. This product may be classified as a flammable waste — dispose accordingly. Empty containers retain flammable product residue; triple-rinse and dispose per local regulations. Do not puncture or incinerate containers.

14. TRANSPORT INFORMATION

DOT / US	Petroleum distillate — Not regulated per DOT for ground transport. Limited quantity exemptions may apply per 49 CFR 173.150.
IATA / IMDG	Not regulated as dangerous goods for air or sea transport at typical packaging quantities.
Flash Point	174°F (79°C) — above DOT combustible threshold (>140°F for Combustible Liquid).

15. REGULATORY INFORMATION

TSCA: All ingredients are listed on the TSCA Chemical Substance Inventory.

SARA Title III: Petroleum distillates (CAS 64742-47-8) and polydimethylsiloxane (CAS 63148-62-9) are subject to SARA Title III reporting requirements.

SARA 311/312 Hazard Categories: Acute Health Hazard; Fire Hazard.

CA Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm at reportable levels.

NFPA 704: Health: 1 / Flammability: 2 / Instability: 0

HMIS Rating: Health: 1 / Flammability: 1 / Reactivity: 0

16. OTHER INFORMATION

Issue Date	June 25, 2026
Version	1.0
Prepared By	MAD SOAPS Inc.
Source SDS	CleanEdge HI SHINE — Date Prepared November 8, 2016

Disclaimer: The information in this Safety Data Sheet is based on data believed to be accurate at the date of preparation. MAD SOAPS Inc. makes no warranty, express or implied, regarding the accuracy or completeness of this information. This SDS is intended as a guide for the safe handling of the product by a properly trained user. The user is responsible for determining the suitability of this product for any particular application and for compliance with all applicable laws and regulations. MAD SOAPS Inc. assumes no liability for any loss or injury arising from use of this information.