



1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name: Durasein Surfacing Adhesive
1.2 Product Use: Surfacing adhesive
1.3 Manufacturer: GRL INDUSTRIES, LLC DBA DURASEIN
7030 Quad Avenue, Suite 3
Rosedale, MD 21237

Telephone +1 (866) 509-6494

1.4 24 Emergency Telephone Number (24-hours) CHEMTRAC 800.424.9300

2. HAZARD IDENTIFICATION

2.1 Classification of the product or mixture

Flammable Liquid: Category 3	H226
Causes Minor Skin Irritation: Category 3	H316
May cause allergic skin reaction: Category 1	H317
Causes eye irritation: Category 2B	H320

2.2 Label Elements

Pictograms	 
Signal Word:	Warning
Hazard Statements:	H226: Flammable liquid and vapor H316: Causes Minor Skin Irritation H317: May cause allergic skin reaction H320: Causes eye irritation
Precautionary Statements:	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources -No smoking P270: Do not eat, drink or smoke when using this product P273: Avoid release to the environment P280: Wear protective gloves/protective clothing/eye protection /face protection



2.3 Other Hazards (description of any hazards not otherwise classified)
Not applicable.

2.4 Unknown Toxicity (statement describing percentage of mixture consists of ingredients with unknown acute toxicity).
Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture composition

Chemical Name	% (w/w)	CAS No.	EINECS No.
Part A			
Methyl Methacrylate (MMA)	30-60	80-62-6	201-1970-1
Poly Methyl Methacrylate (PMMA)	25-40	9011-14-7	201-297-1
Aluminum Tri-hydrate (ATH)	0-30	21645-51-2	244-492-7
Part B			
Benzoyl Peroxide	3-7	94-36-0	202-327-6
Mixture of Benzoate Esters	93-97	proprietary	

4. FIRST AID MEASURES

4.1 Description of first aid measures

If Swallowed: Rinse mouth. Do NOT induce vomiting

If on Skin: Take off immediately all contaminated clothing. Rinse SKIN with water (or shower)

If Inhaled: Remove person to fresh air and keep comfortable for breathing.

in eyes: Rinse cautiously with water for 15 minutes. Remove contact lenses if present and easy to do; continue rinsing.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Foam, Dry Chemical, CO2.

Use chemical foams for extinguishing flaming pools of material.

5.2 Flammable Properties

Flash Point: 51 F (11 C) Method: TCC (for Part A)
375 F (191 C) Method: COC (for Part B)



Part A: Flammable liquid. Vapor forms explosive mixture with air. Vapors or gases are heavier than air and may travel considerable distances to an ignition source and flash back. Susceptible to spontaneous heating. Sealed containers may rupture explosively due to polymerization if exposed to elevated temperatures.

Part B: Peroxides and decomposition products are flammable and can ignite with explosive force if confined.

5.3 Fire Fighting Instructions

Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Initial Containment

Remove source of heat, sparks, flame, impact, friction or electricity. Prevent material from entering sewers, waterways, or low areas.

6.2 Methods and materials for containment and cleanup procedures

Spill Clean Up

Soak up with sand, oil dry, or other noncombustible absorbent materials. Scrape up and hold for proper disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not breathe vapor or mist. Do not get in eyes. Avoid contact with skin. Avoid contact with clothing. Wash thoroughly after handling. Wash contaminated clothing prior to reuse. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material

7.2 General hygiene

Use of non-sparking and explosion-proof equipment may be necessary depending on type of operation. Keep away from heat, sparks and flames. Close container after each use.

7.3 Conditions for safe storage, including incompatibilities

Store in a cool, dark place. Store below 77°F (25°C). Store in a well ventilated place. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Personal Protective Equipment

Eye/Face: Coverall chemical splash goggles.

Additional: Polyethylene apron.



Protective Gloves: PVA coated rubber or nitrile

8.2 Exposure Controls

Engineering Controls: Use local exhaust ventilation to keep employee exposure to airborne concentrations below recommended exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on physical and chemical properties

Appearance	Clear to milk viscose liquid
Upper/lower flammability or explosive limits	N/A
Odor	Ester
Relative density	1.1 – 1.25 g/L
Solubility in water	1.4 – 1.7 g/L Part A and 0.05 g/L Part B
Initial boiling point	214°F (101°C)
Flash point	15°C
Evaporation rate	3 (Butyl Acetate=1.0) (Part A), N/A (Part B)
Viscosity	Not Available

10. STABILITY AND REACTIVITY

10.1 Chemical Stability

Stable at normal temperatures and storage conditions.

Avoid heat and ignition sources, direct sunlight and contact with oxidizers

10.2 Incompatibility with Materials

Part A is incompatible with reducing and oxidizing agents. Generates heat when mixed with oxidizers.

Part B is incompatible with oxidizing materials, strong acids, strong bases, strong alkalis, reducing agents, accelerators.

10.3 Polymerization

Part A will polymerize. Conditions leading to unintentional polymerization include exposure to abnormal temperatures, direct sunlight or oxidizing agents.

10.4 Hazardous decomposition products

Combustion products include carbon monoxide, carbon dioxide, smoke, toxic and from Part A, flammable and toxic biphenyl.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects



There is no toxicity data for the formulated product

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicological Information

AQUATIC TOXICITY: Methyl Methacrylate Monomer 96 hour LC50 – Fathead minnows: 150 ppm

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system. Do not incinerate in closed containers.

14. TRANSPORT INFORMATION

DOT Proper Shipping Name: Adhesive

Hazard Class: 3

I.D. No. (UN/NA): UN1133

Packing Group: II

DOT Label(s): Flammable Liquid

DOT Special Information: For containers less than one liter

Proper Shipping Name: Consumer Commodity

Hazard Class: ORM-D

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status: In compliance with TSCA Inventory requirements for commercial purposes.

RCRA: Under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste

State Regulations (U.S.)

California Proposition 65, Safe Drinking Water and Toxicity Enforcement Act, 1986:
None listed

16. OTHER INFORMATION

NPCA-HMIS Rating

Health: Part A: 2, Part B: 1

Flammability: Part A: 3; Part B: 1

Reactivity: Part A: 1; Part B: 1



GRL INDUSTRIES, LLC DBA DURASEIN
SAFETY DATA SHEET - VERSION: 3.1
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