ProREZ™
Performance Resins and Coatings
ProREZ Coatings, LLC
P.O. Box 153, Cromwell, CT 06416-0153
877.511.3456 ● www.prorezcoatings.com

Safety Data Sheet

Date Issued: 3/07/24 **Version: 3.0**

1. CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

Product Names/Trade Names: ProExtender Topcoat
Chemical Family: Solvent-Viscosity Reducer
Manufacturer's Name: ProREZ Coatings, LLC
PO BOX 153
Cromwell, CT 06416-0153 USA
General No.: (877) 511-3456 (8:00am to 5:00pm Eastern Time)

Company 24 Hour Emergency Response Information: CHEMTEL: 1-800-255-3924
Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

2. HAZARDS IDENTIFICATION

Emergency Overview: Warning. May be harmful if swallowed. May be harmful in contact with skin. May cause eye irritation. May cause skin irritation. Harmful to aquatic life.

Component Information/Information on Non-Hazardous Components: No data available.
Classification of the substance:
Product definition: Substance
Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute toxicity, Oral - Category 5
Skin toxicity - Category 5
Acute aquatic toxicity - Category 3

Signal Word: Warning

Pictograms:

Hazard Statements:
H303 - May be harmful if swallowed.
H313 - May be harmful in contact with skin.
H315 - Causes skin irritation.
H320 - Causes eye irritation.
H332 - Harmful if inhaled.
H402 - Harmful to aquatic life.

Precautionary Statements
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves and eye protection.
P281 - Use personal protective equipment as required.
P301 + P330 + P312 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Contact a POISON CENTER/ Doctor if you feel unwell.
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 - IF INHALED: Remove victim to fresh and keep at rest in a position 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. Immediately call a POISON CENTER or doctor/physician.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P391 - Collect spillage.

Storage
Not applicable

Disposal
P501 - Dispose of contents/container to an approved waste disposal plant in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazards not otherwise classified (HNOC): Repeated or prolonged inhalation of vapors may lead to temporary blurred or double vision.

Other Information: This material is classified as hazardous under OSHA regulations. Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	% By Weight	CAS Number
Dimethyl Glutarate	72-76%	1119-40-0
Dimethyl Adipate	23-27%	627-93-0
Dimethyl Succinate	0.0-1%	106-65-0

4. FIRST-AID MEASURES

Eye contact: Rinse immediately with plenty of water for 15 minutes, occasionally lifting the upper and lower eyelids, and seek advice of an eye specialist/physician if irritation occurs. Check for and remove any contact lenses. Continue rinsing eyes during transport to hospital.
Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy or thoroughly clean contaminated shoes before reuse. Consult a physician immediately if skin is irritated or reddened.
Inhalation: Move victims into fresh air. Remove contaminated clothing immediately. If breathing is labored, administer oxygen. If not breathing, give artificial respiration. Consult a doctor immediately if symptoms occur.
Ingestion: Rinse out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person.

Note to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE-FIGHTING MEASURES

Extinguishable media
Suitable methods of extinction: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable methods of extinction: High volume water jet.
Unusual fire and explosion hazards: Firefighters should wear NFPA approved self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode and full protective clothing. Avoid contact with product. Decontaminate equipment and protective clothing prior to re-use.
Hazardous decomposition products: On combustion, carbon monoxide, carbon dioxide.

Advice for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire, including self-contained breathing apparatus and NFPA compliant helmet, hood, boots and gloves. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Keep people away from and up-wind of spill or leak.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment. Evacuate surrounding areas and isolate the area. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Implement site emergency response plan.

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform authorities if the product has caused environmental pollution (sewers, drains, waterways or soil).

Methods for Cleaning Up: Cleanup personnel must use appropriate personal protective equipment. Evacuate and keep unnecessary personnel out of spill area. Remove all sources of ignition, including flames, heat, and sparks. Stop leak if without risk. Move containers from spill area. Dike or dam spilled material with non-combustible, absorbent material (e.g., sand, earth, vermiculite or diatomaceous earth) and control further spillage, where possible. Make certain the absorbent material soaks up all liquids. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Handling: Do not breathe vapors or spray mist. Avoid contact with eyes or skin. Avoid contact with clothing. Use only with adequate ventilation and personal protection. Remove contaminated personal protective equipment (PPE), then wash hands and face thoroughly after handling and before eating and drinking. Keep container closed when not in use. Empty containers retain product residue and can be hazardous. Do not get in eyes, on skin or on clothing. Do not ingest. Keep away from heat, sparks, flames and other sources of ignition. Avoid release to the environment. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination with moisture is suspected. Follow all SDS/label precautions even after container is emptied because it may retain product residues.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials. Keep away from food products during use and storage. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled, unapproved or reactive containers. Use appropriate containment to avoid environmental contamination. Personnel education and training in the safe use and handling of this product are required under OSHA Hazard Communication Standard 29 CFR 1910.1200.

Incompatible Materials or Ignition Sources: Stable under recommended storage conditions.
Store away from food stuffs. Avoid water or air humidity.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Special Note for Exposure Control: Consult local authorities for further acceptable exposure limits.
Exposure Limits/Guidelines

Chemical Name	Result	ACGIH/OSHA
Mixture of Dimethyl Adipate and Dimethyl Glutarate	STELs	No data available
	TWAs	10 mg/m^3 (OSHA, ACGIH, NIOSH)

Individual protection measures: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating and drinking, smoking or using the lavatory and at the end of the working period. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Keep away from foodstuffs, beverages and feed.

Eye/face protection: Use chemical resistant goggles. Chemical safety goggles in combination with a full face shield (8-inch minimum) must be used if a splash hazard exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Contact lenses should not be worn.
Hand protection: Use permeation resistant gloves such as neoprene or nitrile (Material thickness: 0.35 mm; Break-through time: 1-4 hours; Method: GloSaDa) or butyl rubber (Material thickness: 0.5 mm; Break-through time: 1-4 hours; Method: GloSaDa). The glove must be impermeable and resistant to the product/the substance/the preparation. Selection of the glove material does not only depend on the material, but also on its quality and varies from manufacturer to manufacturer. The resistance of the glove material and manufacture must be determined in advance of the application/use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Skin protection: Wear rubber or plastic apron and permeation resistant clothing, chemical-resistant gloves, and long-sleeved shirts, and pants. Gloves must be inspected prior to use. Remove and wash contaminated clothing before re-use.
General industrial hygiene Considerations: Keep away from food and drink. Wash hands and face after use. Educate and train workers in the safe use and handling of this product. Emergency showers and eye wash stations should be available. Follow all label instructions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Odor:	Sweet
Color:	Clear, colorless
Specific Gravity:	1.076 ± 0.1
Boiling Point	203-220°C (397 - 428°F)
Flash Point	108°C (226°F) P-M CC
Lower Explosive Limit (LEL)	No data available
Upper Explosive Limit (UEL)	No data available
Vapor Pressure	0.0053 kPa (room temperature)
Viscosity	3.2-3.5 mPa's Dynamic
Solubility in Water	43 g/L

10. STABILITY AND REACTIVITY

Reactivity: No data available..
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: May occur under certain conditions of storage or use.
Conditions to avoid: None known.
Incompatible materials: None known.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition Products should not be produced.

11. TOXICOLOGICAL INFORMATION

For mixtures of Dimethyl Adipate and Dimethyl Glutarate:

Acute oral toxicity:	LD50, rat male/female: >2,000 mg/kg
Acute inhalation toxicity:	LC50, rat: >11 mg/l (4h nose only)
Acute dermal toxicity:	LD50, rat: >2,000 mg/kg
Acute oral toxicity:	LD50, rat female: >5,000 mg/kg
Skin irritation/corrosion:	Non-irritant to skin.
Eye irritation/corrosion:	Non-irritant to the eyes.
Respiratory:	May cause respiratory irritation .
Sensitization:	Not sensitizing to skin.

Carcinogenicity
No data available.
ACGIH, NTP, or EPA classification:
IARC, NTP, and OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen. Long-term animal study: No data available.
Mutagenicity:
473 *In vitro* Mammalian Chromosomal Aberration Test result: Positive.
Mammalian-Human Metabolic activation with experiment in vitro result: Negative.
473 *In vitro* Mammalian Chromosomal Aberration Bacteria Test result: Negative.
474 Mammalian Enthrocyte Micronucleaus test (Mammalian-Human metabolic activation without experiment *in vivo* result: Negative).
Terratogenicity: No data available.
Specific Target Organ Toxicity – SINGLE EXPOSURE: No data available.
Specific Target Organ Toxicity – REPEATED EXPOSURE: No data available.
Aspiration Hazard: No data available.
Potential Acute Health Effects:
May cause eye irritation. Repeated or prolonged inhalation of vapors may lead to temporary blurred or double vision. May cause skin irritation. No known significant effects or critical hazards from ingestion.
Potential Chronic Health Effects:
Sub-chronic NOEL dermal Rat – Male, Female 1000 mg/kg Exposed 14 days (6 hours per day).
Sub-chronic NOEL Oral Rat – Male, Female 3958 mg/kg Exposed 14 days (6 hours per day).
Sub-chronic LOEL Inhalation Vapor Rat – Male, Female 20 mg/m^3 Exposed 13 weeks (6 hours per day).
General: No known significant effects or critical hazards.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Developmental effects: No known significant effects or critical hazards.
Fertility effects: No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Toxicity

Test Result	Species	Exposure
Acute EC 10 73 mg/l (biomass) Fresh Water	Algae – Pseudokirchnerella	72 hours
Acute EC50 >85 mg/l (biomass) (growth rate) Fresh Water	Algae – Pseudokirchnerella subcapitata	72 hours
Acute LC50 112 to 150 ppm Fresh water	Daphnia	48 hours
Acute LC50 18 to 24 ppm Fresh water	Fish – Pimephales promelas	96 hours
Acute LOAEL 85 mg/l (biomass) (growth rate) Fresh water	Algae – Pseudokirchnerella subcapitata	72 hours
Acute LOAEL 112 ppm Fresh water	Daphnia	48 hours
Acute LOAEL 24 ppm Fresh water	Fish – Pimephales promelas	96 hours
Acute NOEC 36 mg/l (biomass) (growth rate) Fresh water	Algae – Pseudokirschnerella subcapita	72 hours
Acute NOEC 84 ppm Fresh water	Daphnia	48 hours
Acute NOEC 18 ppm Fresh water	Fish – Pimephates promelas	96 hours

Summary/Conclusion: UN GHS Classification AQUATIC HAZARD (ACUTE) Category 3.

Persistence and degradability: According to the results of tests of biodegradability, this product is readily biodegradable:
97% Readily 28 days Activated Sludge Freshwater.
87% Readily 28 days Marine Water.

Bioaccumulation potential: The product is readily biodegradable, insignificant residuals remain.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with federal, state, and local laws and regulations. The generation of waste should be avoided or minimized wherever possible. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Empty containers should be taken to an approved waste handling site for recycling or disposal. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty Container Precautions: Dispose of as unused product. Do not heat or cut container with electric or gas torch. Recondition or dispose of empty container in accordance with governmental laws and regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

14. TRANSPORT INFORMATION

Regulatory Information	UN number	UN proper shipping name	Transport hazard class	Packing group	Environmental/special hazards
DOT		Not regulated			No
IMO/IMDG		Not regulated			No
IATA/ICAO		Not regulated			No

15. REGULATORY INFORMATION

Component	CAS	Canada DSL	Canada NDSL	TSCA
Mixture of Dimethyl Adipate and Dimethyl Glutarate	-	Listed (WHMIS Class D-2B material causing other toxic effects)	-	Listed

Safety, health and environmental regulations/legislation specific for substance or mixture
U. S. Federal Regulation:
CERCLA/SARA – Hazardous Substances and their Reportable Quantities: None
SARA – Section 311/312 Hazard Categories: None
CERCLA/SARA – Section 302 Extremely Hazardous Substances TPQs: None
CERCLA/SARA – Section 313 – Emissions Reporting: None
CERCLA/SARA – Section 313 – PBT Chemical Listing: None
EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III
Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components: None
EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 372.65) Supplier Notification Required Components: None

Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261): Under RCRA it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste.

State Regulations
California
Proposition 65 – Carcinogens List: This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.
Proposition 65 – Developmental Toxicity: None
Proposition 65 – Maximum Allowable Dose Levels (MADL): None
Proposition 65 – No Significant Risk Levels (NSRL): None
Proposition 65 – Reproductive Toxicity – Female: None
Proposition 65 – Reproductive Toxicity – Male: None

Based on information provided by ProREZ suppliers, this product is considered “DRC Conflict Free” as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716, File No. S7-40-10, Date 08-22-212).

16. OTHER INFORMATION

Hazardous Material Information System (HMIS):

Scale 0-4		*HMIS*
4=Severe Hazard	Health	0
3=Serious Hazard	Flammability	1
2=Moderate Hazard	Reactivity	0
1=Slight Hazard	Personal Protection	B
0=Minimal Hazard		

HMIS Hazard Rating Legend
0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Health Hazard

Abbreviation Key
NDA = No data Available

THE INFORMATION AND RECOMMENDATIONS PRESENTED HEREIN ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. USER MUST CONDUCT THEIR OWN TESTS TO DETERMINE THE SUITABILITY OF THESE PRODUCTS FOR THEIR PARTICULAR PURPOSES AND USAGE. BECAUSE OF NUMEROUS FACTORS AFFECTING RESULTS, PROREZ COATINGS, LLC AND ITS AFFILIATION MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE, OTHER THAN MATERIAL CONFORMS TO OUR APPLICABLE CURRENT SPECIFICATIONS. PROREZ COATINGS, LLC ASSUMES NO LEGAL RESPONSIBILITY FOR USE OR RELIANCE ON THE INFORMATION CONTAINED IN THIS SAFETY DATA SHEET.

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