

**MATERIAL SAFETY DATA SHEET**  
**PRECISION LABORATORIES**

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name: **Replace™**  
Supplier: PRECISION LABORATORIES, LLC  
1429 S. SHIELDS DRIVE  
WAUKEGAN, IL 60085

Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300  
For MSDS, Product Safety, or Regulatory inquiries, call: (847) 596-3001  
Customer Service, call: (800) 323-6280

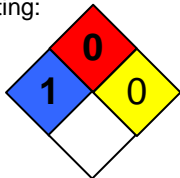
**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% By Wt.</u>
Phthalocyanine Pigment	N/A			

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

NFPA Hazard Rating:



HMIS Hazard Rating:

1 Health  
0 Fire  
0 HMIS Reactivity

**Primary Routes of Exposure:**

Eyes: **Yes**

Skin: **Yes**

Oral: **No**

Inhalation: **No**

**Signs and Symptoms of Exposure:**

Eye contact: May cause irritation and reddening.  
Skin contact: May cause irritation and reddening.  
Inhalation: May cause respiratory and mucosal irritation.  
Ingestion: May cause nausea, vomiting and diarrhea.

**4. FIRST AID MEASURES**

**FIRST AID MEASURES FOR ACCIDENTAL EXPOSURE**

**Eye Exposure:** Check for and remove contact lenses. Immediately flush eyes with water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

**Skin Exposure:** Wash affected area with plenty of soap and water. Cold water may be used. Get medical attention if irritation develops.

**Inhalation:** Move individual to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.

**Ingestion:** **Do not induce vomiting unless directed to do so by medical personnel.** Never give fluids or force vomiting if the person is unconscious, is having convulsions or has no gag reflex. If large quantities are swallowed, get emergency medical help immediately.

**Medical Conditions Aggravated by Overexposure:** None identified.

**5. FIRE-FIGHTING MEASURES**

**FIRE HAZARD DATA:**

Flammability: N/A

LEL: N/A

UEL: N/A

Auto-ignition temperature: N/D

Flash Point: N/A

**Hazardous Decomposition Products of Combustion:**

Burning can produce oxides of carbon, nitrogen, or other toxic or possible harmful fumes.

**Extinguishing Media:**

Water spray, foam, CO<sub>2</sub>, or dry chemicals may be used in areas where this product is stored.

**Special Fire Fighting Procedures:**

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

**Additional Fire and Explosive Data:**

Closed containers may explode due to steam formation from exposure to high heat.

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**Product Name: REPLACE – Turfgrass Colorant**

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## 6. ACCIDENTAL RELEASE MEASURES

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**Containment Procedures:** Stop the flow of material, if this is without risk.  
**Clean-Up Procedures:** Absorb material with suitable absorbent and containerize for disposal.  
**Evacuation Procedures:** Isolate area. Keep unnecessary personnel away.  
**Special Procedures:** None.

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## 7. HANDLING AND STORAGE

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**Handling Procedures:** Avoid eye and skin contact. Wash thoroughly after handling. Wear protective clothing and equipment as referenced in Section 8 below.  
**Storage Procedures:** Product should be stored in a dry place with temperatures above 30°F. Partially used containers should be resealed between uses for maximum storage stability.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Component Exposure Limits:** N/D  
**Engineering Controls:** Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. When selecting personal protective equipment and clothing, follow all of the manufacturer specifications and recommendations that apply to your specific operation and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed.  
**Eye/Face Protection:** Wear protective eyewear. Contact lenses should not be worn when working with chemicals.  
**Skin Protection:** Wear coveralls, boots and neoprene rubber, nitrile rubber or Viton® gloves to minimize skin contact. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower.  
**Respiratory Protection:** None required where adequate ventilation conditions exist. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.  
**General Protection:** Eye wash fountain is recommended.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical Appearance & Odor:** Green liquid with slight ammonia odor.  
**Boiling Point:** 212°F  
**pH:** 9 ± 1  
**Specific Gravity:** 8.9 lb./gal.  
**Solubility in Water:** Complete.

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability:** Stable  
**Incompatibility:** None known.  
**Hazardous Decomposition Products:** Burning can produce oxides of carbon, nitrogen, or other toxic or possible harmful fumes.  
**Hazardous Polymerization:** Will not occur.  
**Conditions to Avoid:** None known.

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## 11. TOXICOLOGICAL INFORMATION

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No toxicological data is available for this product.

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## 12. ECOLOGICAL INFORMATION

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No ecological data is available for this product.

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## 13. DISPOSAL CONSIDERATIONS

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**Component Waste Numbers:** No EPA Waste Numbers are applicable for this product's components.  
**Disposal Instructions:** All wastes must be handled in accordance with local, state and federal regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.  
**Container Reuse:** An empty container can contain product residue, and should be not reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse.

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## 14. TRANSPORT INFORMATION

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DOT Status (Highway and rail): N/E

IATA Status (Air): N/E

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## 15. REGULATORY INFORMATION

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**SARA HAZARD:** None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

**State:** N/E

**WHMIS:** N/E

**WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, PRECISION LABORATORIES, LLC MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.**

N/R—Not Rated

N/D—Not Determined

N/A—Not Applicable

N/E—Not Established

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.