

## ***SAFETY DATA SHEET***

### **Section 1: Product & Company Identification**

Product Name: **Plasma Green 9010**  
Recommended Use: Multi-metal Rust Prevent & Bioactivity Control Additive

KCI Chemical Company  
4248 Oakwood Lane  
Matteson, Illinois 60443  
(708) 748-7358 Phone  
(708) 748-0136 Fax

24 HOUR EMERGENCY CONTACT: INFOTRAC (800) 535-5053

### **Section 2: Hazards Identification**

#### **Emergency Overview**

**Warning: May cause Eye, Skin, and Respiratory Irritation**

General Effects of Overexposure: May cause chemical irritation that may or may not be immediately noticeable.

Eye Contact: May cause chemical irritation.

Skin Contact: May cause chemical irritation that may or may not be immediately noticeable

If Swallowed: May cause gastrointestinal irritation.

Inhalation: Inhaling this product or mist from its solutions can cause nasal and respiratory irritation.

Health Note: None

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Pictogram



Signal Word

Warning

### Section 3: Composition and Information of Ingredients

Ingredients	%	Recommended Exposure Limits and Toxicity Information
DNA		Not Regulated

### Section 4: First Aid Measures

**FIRST AID:** Remove yourself from the source of contamination. The chemicals must be rinsed off from the affected areas. Ask for help if you need any assistance.

**EYES:** Non-toxic. Flush eyes with water as needed. Consult a physician if irritation persists

**SKIN:** Non-toxic. Although irritation does not normally occur, rinse with water if irritation occurs.

**INHALATION:** Non-toxic. Treatment is typically not required. Move to fresh air, if necessary.

**INGESTION:** Non-toxic. Drink water as needed. Contact physician if persistence nausea or discomfort occurs.

**NOTE TO PHYSICIAN:** None.

### Section 5: Fire Fighting Measures

**FLASH POINT (Test Method):** None

**EXPLOSIVE LIMITS (% By Vol. In Air):** LOWER: None UPPER: None

**EXTINGUISHING MEDIA:** None needed. Dry chemicals, carbon dioxide, and water fog. Use water spray to cool exposed containers.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use Water or Foam to extinguish. Flush area with water.

**FIRE AND EXPLOSIVE HAZARDS:** None

## Section 6: Accidental Release Measures

This product is not harmful to personnel or environment.

Personnel wearing appropriate equipment should confine spill to a small area and remove all incompatibilities. Spread clay or sand to absorb solution. Shovel completely into a clean dry and approved container. Neutralize area with vinegar. Flush with water, then mop up or wet vacuum. Dispose of waste as local codes permit.

## Section 7: Handling and Storage

HANDLING: Product is non-toxic, and does not require any special handling considerations.

PERSONAL HYGIENE: Use fresh clothing daily. When clothing or shoes become contaminated, remove and launder before re-use.

### OTHER PRECAUTIONS

- FOR BEST RESULTS:
- (1) Store in cool dry place.
  - (2) Store in original container with lid tightly closed.
  - (3) DO NOT CUT, MUTILATE, OR RE-USE CONTAINER.
  - (4) Consult your account manager before using this product.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

## Section 8: Exposure Controls and Personal Protection

VENTILATION: Use adequate local exhaust ventilation, where mist, vapors etc., from this product may be generated.

RESPIRATORY: No special considerations required.

EYES: Wear NIOSH/OSHA approved splash goggles.

GLOVES: Gloves not required. Neoprene gloves if desired

OTHER PROTECTIVE EQUIPMENT: None required

## Section 9: Physical and Chemical Properties

BOILING POINT: > 200F

PH (100%): < 10

VAPOR DENSITY (Air = 1): > 1

% VOLATILE BY VOL: NA

SPECIFIC GRAVITY (Water = 1): 1.07 – 1.09

VAPOR PRESSURE (mm Hg): < 1

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: (Butyl Acetate = 1): < 1

APPEARANCE AND ODOR: Fluorescent Green Liquid – Mild Odor

## Section 10: Stability and Reactivity

STABILITY: Stable                      CONDITIONS TO AVOID: Keep from freezing  
HAZARDOUS POLYMERIZATION: Will Not Occur  
INCOMPATIBILITY (MATERIALS TO AVOID): Strong Acids, and freezing temperature  
HAZARDOUS DECOMPOSITION PRODUCTS: None

## Section 11: Toxicological Information

**Emergency Overview:** Product is considered non-toxic. Contact physician in extreme circumstances.

**Potential Health Effects:** None known.

### Toxicity Data:

LD50/LC50 Classified as Practically Non-Toxic

LD 50 - Oral: > 20,000 mg/kg (rat)

LD 50 - Dermal: > 10,000 mg.kg (Rabbit)

**Carcinogenicity:** This product is not considered a carcinogen.

Chronic Effects on Humans: Not Determined

Other Toxic Effects on Humans: Not Determined

## Section 12: Ecological Information

**Ecotoxicity:** This material contains no known environmental hazards. Product is fully biodegradable when processed in a standard municipal waste water treatment plant.

**Persistence and Degradability:** Product is fully biodegradable when processed in a municipal waste water treatment plant.

**Bioaccumulative Potential:** No further relevant information available.

**Other adverse effects:** US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

LD50 - Acute Aquatic 148.3 mg.l (Rainbow Trout)

EC50 > 1,000 mg/l 3 hour Biodegradability (OECD 209) (ASTM D-5864)

## Section 13: Disposal Considerations

Product is fully biodegradable when processed in a municipal waste water treatment plant.

Waste Disposal should be in accordance with applicable local, regional, and national laws and regulations.

## Section 14: Transport Information

PROPER SHIPPING NAME: Not Regulated

HAZARD CLASS: Not Regulated

IDENTIFICATION NUMBER: Not Regulated

## Section 15: Other Regulatory Information

Federal and State Regulations: None

Other Regulations: None

Other Classifications:

WHMIS (Canada): None

DSCL (EEC): None

HMIS Information

Health 0

Flammability 0

Reactivity 0

Personal Protection A

4 - Severe Hazard                      3 - Serious Hazard

2 - Moderate Hazard                  1 - Slight Hazard

0 - Minimal Hazard

A - Safety glasses

C - Safety glasses, gloves, synthetic apron

D - Face shield, gloves, synthetic apron

E - Safety glasses, gloves, dust respirator

F - Safety glasses, gloves, dust respirator, synthetic apron

G - Safety glasses, gloves, vapor respirator

H - Splash goggles, gloves, synthetic apron, vapor respirator

J - Splash goggles, gloves, synthetic apron, vapor & dust respirator

## Section 16: Other Information

REFERENCES

ABBREVIATIONS

DNA.....	Does Not Apply
NA.....	Not Available
NOT EST.....	Not Established
TLV.....	Threshold Limit Value
TWA.....	Total Weighted Average
STEL.....	Short Term Exposure Limit
PEL.....	Permissible Exposure Limit
OSHA.....	Occupational Safety and Health Administration
ACGIH.....	American Conference of Governmental Industrial Hygienists
LD50.....	Lethal Dose that Cause Half of the Animals in the Study to Die
LD50.....	Lethal Concentration of Gases and Vapors in the Air that Causes Half of the Animals in the Study to Die

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