

# SAFETY DATA SHEET

## Section 1: Product & Company Identification

Product Name: **Plasma Green 9010**  
Recommended Use: Multi Metals Water Table Additive and Rust Prevent

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 burns to sensitive tissue.  
Eye Contact: May cause chemical burns.  
Skin Contact: May cause chemical burns to sensitive tissue.  
If Swallowed: May cause severe gastrointestinal damage.  
Inhalation: Inhaling this product or mist from its solutions can cause nasal and respiratory damage.  
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
Triethanolamine CAS #102-71-6	< 2	TWA (TLV) – 5 mg/m <sup>3</sup> ; ACGIH TWA (PEL) – Not Established: OSHA

### Section 4: First Aid Measures

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

**EYES:** Immediately flush eyes with cool potable water for at least 20 minutes. Look up and down and side to side, while flushing to insure thorough rinse. Contact a physician. Do not rub eyes. Do Not keep eyes tightly closed. Do Not use hot water to rinse. Do Not use any oil or ointments in the eye(s) without medical assistance.

**SKIN:** Quickly remove clothing and jewelry from the affected area, while flushing the affected area with cool potable water. Continue flushing with the fresh water until the feeling of slipperiness or soapiness disappears. Dry skin gently with a clean soft towel. contact a physician. Do Not use hot water to rinse. Do Not rub or apply pressure to affected area. Do Not remove skin or break open blisters. If clothing is stuck to the affected area after flushing with water, do not remove clothing.

**INHALATION:** Move to fresh air. Blow your nose gently to remove as much substance as Possible. Contact a physician.

**INGESTION:** Call a physician. If swallowed do not induce vomiting. Rinse a mouth several times with cool water and spit out. Drink 1 – 2 cups of cool water or milk. Do Not give anything by mouth to an unconscious or convulsing person. Follow the physician's directions, if they differ. Do Not take any oils. Do Not try to neutralize a base with an acid. Do Not take sodium bicarbonate or any carbonated drinks.

**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:** Usual extinguishing media such as CO<sub>2</sub>, water spray, and foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear chemically resistant clothing and full protective equipment.

**FIRE AND EXPLOSIVE HAZARDS:** None.

## Section 6: Accidental Release Measures

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

**PRECAUTIONS:**      **WARNING:** Alkaline product that may cause chemical burns. Do not contact eyes, skin, or clothing. Do not take internally.

**HANDLING:** Do not use this product before thoroughly reading the Material Safety Data Sheet, and consulting with your account manager. When handling, wear safety goggles, face shield, neoprene goggles, respirator, and chemical resistant clothing depending on the degree of exposure.

**PERSONAL HYGIENE:**      Use fresh clothing daily. When clothing or shoes become contaminated, remove at once and launder before re-use. If laundering is not effective, discard the article of clothing. Bathe after working using plenty of soap and water.

### 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, to maintain exposure below recommended values.

**RESPIRATORY:**      If spray vapors, dust, etc. from this product are present, wear the Correct NIOSH/OSHA approved respiratory equipment, depending on the degree of exposure.

**EYES:**      Do not wear contact lenses. Wear NIOSH/OSHA approved splash goggles.

**GLOVES:**      Neoprene

**OTHER PROTECTIVE EQUIPMENT:**      To prevent contact with skin wear face shield, impervious clothing and safety boots depending on degree of exposure.

## Section 9: Physical and Chemical Properties

BOILING POINT:	> 200 F	SPECIFIC GRAVITY (Water = 1):	1.10 – 1.30
PH: (100%)	< 9.8	VAPOR PRESSURE (mm Hg):	Same as water
VAPOR DENSITY (Air = 1):	> 1	SOLUBILITY IN WATER:	Complete
% VOLATILE BY VOL:	NA	EVAPORATION RATE: (Butyl Acetate = 1):	< 1

APPEARANCE AND ODOR: Colorless to Amber liquid – Mild Odor

## Section 10: Stability and Reactivity

STABILITY:	Good	CONDITIONS TO AVOID:	When added to water, heat is generated.
HAZARDOUS POLYMERIZATION:	Will Not Occur		
INCOMPATIBILITY (MATERIALS TO AVOID):			Avoid contact with acids.
HAZARDOUS DECOMPOSITION PRODUCTS:			None

## Section 11: Toxicological Information

Product Ingredient Name: **Triethanolamine**  
Routes of entry: Eye contact, inhalation, ingestion  
Toxicity to Animals: LD50 Oral – Rat > 5,530 mg/kg      LD50 Dermal – Rabbit: No Skin Irritation  
Chronic Effects on Humans: Not Determined  
Other Toxic Effects on Humans: Not Determined

## Section 12: Ecological Information

Product Ingredient Name: **Triethanolamine**  
Aquatic Ecotoxicity

Toxicity to Aquatic Invertebrates  
Daphnia; 48 h; EC50  
Result value: 609.98 mg/L

Toxicity to Fish *Lepomis macrochirus* (Bluegill)  
Fathead Minnow; 96 h; LC50  
Result value: 1000 mg/L

BOD5 and COD: Not available

Products of Biodegradation: Hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Long term products of degradation have not been studied.

Special Remarks on the Products of Biodegradation: Not Available

### Section 13: Disposal Considerations

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

### Section 14: Transport Information

PROPER SHIPPING NAME: Cleaning Compound, Class 55

HAZARD CLASS: Not Regulated

IDENTIFICATION NUMBER: N.O.I.B.N.

### Section 15: Other Regulatory Information

Federal and State Regulations: None

Other Regulations: None

Other Classifications:

WHMIS (Canada): None

DSCL (EEC): None

HMIS Information

Health	1
Flammability	0
Reactivity	0
Personal Protection	C

4 - Severe Hazard                      3 - Serious Hazard

2 - Moderate Hazard                  1 - Slight Hazard

0 - Minimal Hazard

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

Lefevre, Marc, J. First Aid Manual for Chemical Accidents, NY: Van Nostrand Reinhold, 1989

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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