INDUSTRIAL CHEMICALS
4248 Oakwood Lane
Matteson, IL 60443
(708) 748-7358 Fax (708) 748-0136

TECHNICAL PRODUCT BULLETIN

Plasma Green 9010

A. INTRODUCTION

Plasma Green 9010 is a general purpose additive for water tables, and is specifically formulated to be safe for ferrous and non-ferrous metals. Standard water table additives will stain aluminum, and can attack and pit soft metal surfaces. Plasma Green 9010 is designed to be safe for aluminum, and mixted metals. This product will not only trap smoke and air-born particles from a cutting table, but is also designed to provide corrosion protection to the work piece and water table, and inhibit bioactivity in plasma torch, oxy-acetylene, M.A.P.P. gas metal cutting operations. A recommended solution of 3% will provide excellent tank life, and can be maintained until soil load or contaminants dictate a dump. This product has a green tint to aid in concentration control.

Features

- Provides excellent corrosion resistance in water tables
- Can also be used for short term rust protection on parts
- Will not attack or stain aluminum and mixed metals
- Excellent tank life with regular additions of product
- Superior bioactivity control (bacteria, fungus, algae)
- Economical – use at 3% concentration
- Biodegradable
- Concentrate is stable for long term storage
- Non-foaming
- Environmentally safe
- Effective at Ambient Temperatures
- Does not contain solvents, waxes, lead, barium, or sodium molybdate
- Not reportable under SARA

Plasma Green 9010 is designed to be left on the work piece to provide short term corrosion protection and can be painted without detrimental results. If desired, any residue left by **Plasma Green 9010** can be easily cleaned with solvent or standard alkaline wash.

B. SUMMARY OF OPERATING DATA

Control Points (Normal Operating Conditions)

Concentration	3%
pH	10.5
Temperature	ambient
Specific Gravity	1.08

C. CHARGE SEQUENCE

Step 1: Drain and clean water table, making sure table is free of sludge and debris.
Step 2: Dispose of spent solution according to Federal, State, and Local regulations.
Step 3: Fill water table ¾ with water.
Step 4: Add **Plasma Green 9010** to desired concentration.
Step 5: Top off with appropriate amount of water.
Step 6: Agitate to mix **Plasma Green 9010** with water.
Step 7: Check pH and/or concentration.
Step 8: Make regular additions of **Plasma Green 9010** to maintain concentration.

D. MAINTENANCE OF THE BATH

The **Plasma Green 9010** solution concentration must be controlled and monitored to achieve the best results. It is recommended that solution should be changed every 6-12 months. Regular additions of concentrate should be made to maintain proper operating concentration, or if pH falls below 10 Product can be added to water table until soil load or 6 months deems it necessary to dump. Concentration can be measured by color of bath, pH level, or by titration.

E. STORAGE AND HANDLING REQUIREMENTS

Do Not Freeze! If product should freeze, allow to thaw at room temperature and thoroughly mix before use.

Plasma Green 9010 can cause irritation to skin and eyes. Users must read and understand Material Safety Data Sheet and wear recommended protective clothing when using this product.

F. DISPOSAL

Plasma Green 9010 will react when exposed to strong oxidizing and reducing agents. Dispose of according to federal, state, and local regulations.

SHIPPING CLASSIFICATION

Proper Shipping Name: Not regulated under the DOT 49 CFR
Hazard Class: None
Identification Number: None
Packing Group: N/A

This product is not reportable under the terms of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 (40CFR372).

Revised 01/2015 MK
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