



INDUSTRIAL CHEMICALS

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MATERIAL SAFETY DATA SHEET

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Plasma Green 1050

Water Table Corrosion Inhibitor

I. TRADE OR PRODUCT NAME: **Plasma Green 1050**

II. INGREDIENTS %

RECOMMENDED EXPOSURE LIMITS
AND TOXCITY INFORMATION

- Sodium Nitrite < 10 TWA(TLV) –Not Est
CAS #7632-00-0 TWA(PEL) –Not Est

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
- LD 50.....Lethal Dose that Cause Half of the Animals in the Study to Die
- LD 50.....Lethal Dose of Gases and Vapors in the Air that Causes Half of the Animals
in the Study to Die

*Reportable under SARA TITLE III, Section 313.

III. PHYSICAL DATA (INFORMATION AT 20 C WHERE APPLICABLE):

BOILING POINT: 212 F	SPECIFIC GRAVITY (Water = 1): 1.08
PH: (100%): 10.5	VAPOR PRESSURE (mm Hg): 17.5
VAPOR DENSITY(Air=1): > 1	SOLUBILITY IN WATER: Complete
% VOLATILE BY VOL: Not Est	EVAPORATION RATE: (Butyl Acetate = 1): Not Est
APPEARANCE AND ODOR:	Green Fluorescent Liquid – Light Chemical Odor

IV. HEALTH HAZARD INFORMATION:

GENERAL EFFECTS OF OVEREXPOSURE: May cause chemical burns of the mouth, throat, esophagus, stomach, and may have affects on kidney, liver, and other central nervous systems.

EYE CONTACT: May cause severe irritation with corneal injury which may result in permanent impairment of vision or even blindness.

SKIN CONTACT: May cause chemical burns.

IF SWALLOWED: May cause discomfort in the mouth, chest, and abdomen, nausea, vomiting, dizziness, and weakness. This product may be absorbed through lungs and result injuries to other parts of the body.

INHALATION: Vapors may be irritating and cause coughing and discomfort in the nose, throat, and chest. Prolonged breathing can affect liver and kidney.

HEALTH NOTE: None.

V. EMERGENCY AND FIRST AID PROCEDURES:

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 assistance.

EYES: Immediately flush eyes with cool potable water for at least 20 minutes. Look up 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 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 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 strong base with a strong acid. Do Not take sodium bicarbonate or any carbonated drinks.

NOTE TO PHYSICIAN: None.

VI. SPILL OR LEAK PROCEDURE:

STEPS TO TAKE IF MATERIAL IS SPILLED OR RELEASED: 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 DOT container. Dispose of waste as local codes permit.

WASTE DISPOSAL METHOD: Send to waste disposal site as local codes permit.

VII. FIRE AND EXPLOSION DATA:

FLASH POINT (Test Method): DNA

EXPLOSIVE LIMITS (% By Vol. In Air): LOWER: ND UPPER: ND

EXTINGUISHING MEDIA: Usual extinguishing media, for example: water spray, dry chemical, or fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear chemically resistant clothing and full protective equipment including self-contained breathing apparatus. Use water to cool off surrounding area including equipment and structures.

FIRE AND EXPLOSIVE HAZARDS: This product may be a moderate fire hazard when exposed to heat or flames, after water had been evaporated. (See also Section VIII – Reactivity Data.)

VII. REACTIVITY DATA:

STABILITY: Stable CONDITIONS TO AVOID: Keep from freezing. Avoid contact with amines as this has the potential to produce nitrosamines, which are known carcinogens.

HAZARDOUS POLYMERIZATION: Will Not Occur

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing and reducing agents, such as strong mineral or organic acids, cyanides, thiocyanates, and thiosulfates. Acids and reactive metals. If pH is allowed to fall below 6.5, the formation of nitrogen oxides may occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen oxide.

IX. DEPARTMENT OF TRANSPORTATION INFORMATION:

Proper Shipping Name: Not Regulated under the DOT 49 CFR
Hazard Class: None Identification Number: None Packing Group: None

- Reportable limit for Sodium Nitrite is 100 pounds
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X. SPECIAL PROTECTION INFORMATION:

VENTILATION: Use adequate local exhaust ventilation, where mist, vapors etc., from this product may be generated, to maintain exposure below recommended values. (See Section II). Maintain vapors with Mechanical Ventilation. Explosion proof Exhaust Ventilation may be necessary for some operations.

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.

X. HANDLING AND PERSONAL HYGIENE:

PRECAUTIONS: DANGER: Liquid alkaline product. May cause irritation and/or 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 gloves, 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.

XI. HMIS INFORMATION:

Health.....1
Flammability.....0
Reactivity.....0
Personal Protection.....H
 4 – Severe Hazard 3 – Serious Hazard
 2 – Moderate Hazard 1 – Slight Hazard
 0 – Minimal Hazard
 H – Splash goggles, gloves, synthetic apron, vapor respirator
 J – Splash goggles, gloves, synthetic apron, vapor & dust respirator

XII. REFERENCES:

Material Safety Data Sheets on “Sodium Nitrite,” from Union Carbide, Texas.

DISCLAIMER

Information presented herein has been compiled from information provided to us by our suppliers and other sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Nothing herein is to be construed to be as recommending any practice or the use in violation of any law or regulation. It is the user’s responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and since conditions of use are not under our control, we must necessary disclaim with respect to the use of any material supplied by us.