



Dynaflux 360B SDS 04/22/2014

## Safety Data Sheet

Product: 360 Water Table Treatment

**Part 1: Identification of the Substance/Mixture and of the Company/Undertaking.**

Identification 360B

Product Use Description: Inhibits corrosion in plasma water tables.

Trade Name: 360 Water Table Treatment

Manufacturers Name: Dynaflux, Inc.

241 Brown Farm Rd.

Cartersville, GA 30120 U.S.A.

Emergency Telephone Number: Chemtel: For U.S.: 800-255-3924 International: 813-248-0585

**Part 2: Hazards Identification**Signal Word: **DANGER****H314:** Causes severe skin burns and eye damage**Emergency Overview:**

White, odorless, granular powder. Corrosive to eyes, skin and digestive tract. Dust corrosive to respiratory tract. Due to high pH of product, release into surface water is harmful to aquatic life. Noncombustible. Reacts with acids and some organics.

**Potential Health Effects:**

Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Hazardous in case of inhalation. Slightly hazardous in case of skin contact (corrosive). Inflammation of the eye is characterized by redness, watering and itching. Skin inflammation is characterized by itching, scaling, reddening or occasional blistering.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available. NUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

**Exposure routes:**

Eyes, Skin Contact, Inhalation, Ingestion.

**Eye contact**Corrosive. Causes eye burns. **GHS Category 2****Skin contact**Corrosive. Causes skin burns. **GHS Category 3****Inhalation**

Dust corrosive to respiratory tract..

**Ingestion**Corrosive. Causes burns to mouth, esophagus and stomach. **GHS Category 4****Chronic Effects:**

No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.

**Physical Hazards:**

Can etch glass if not promptly removed.

HMIS Rating (U.S.) Health 2, Flammability 0, Reactivity 0

**Part 3: Composition / Information on Ingredients**

<b>Hazardous Components</b>	<b>CAS No.</b>	<b>% by weight</b>
<b>Sodium metasilicate pentahydrate</b>	<b>10213-79-3</b>	<b>&gt;=75</b>

**Toxicological Data on Ingredients:** Sodium metasilicate pentahydrate LD50: Not Available. LC50: Not Available.

**Part 4: First Aid Measures****Eyes**

Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

**Skin**

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

**Inhalation**

Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.

**Serious Inhalation:** Not likely.

**Ingestion:**

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. **GHS Category 2**

**Serious Ingestion:**

Not available.

**Part 5: Fire Fighting Measures**

**Flammability Classification:** Non-flammable.

**Auto-Ignition Temperature:** Not Applicable.

**Flash Points:** Not Applicable.

**Products of Combustion:** Not Available.

**Fire hazards in Presence of Various Substances:** Not Applicable.

**Fire Fighting Instructions/Equipment:** Not Applicable.

**Special Remarks on Explosion Hazards:** Not Available.

**Part 6: Accidental Release Measures****Personal precautions**

Wear chemical goggles, body-covering protective clothing, chemical resistant gloves and rubber boots, NIOSH-approved dust respirator where dust occurs.

**Environmental Hazards:**

Sinks and mixes with water. High pH of this material is harmful to aquatic life. **GHS Acute Category III**

**Small spill cleanup:**

Carefully shovel or weep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE).

**Large Spill cleanup:**

Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). In the case of contact with water, prevent runoff from entering into storm sewers and ditches which lead to natural waterways. Neutralize contaminated area and flush with large quantities of water. Comply with applicable environmental regulations.

**Part 7: Handling and Storage****Handling**

Do not get in eyes, on skin or on clothing. Do not breathe dust. Keep container closed. Promptly clean up spills. Wash thoroughly after handling.

**Storage**

Store at temperatures below 150°F (65°C). Keep container tightly closed. Store in clean tightly closed steel, fiber or plastic container. Separate from acids, reactive metals and ammonium salts. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers. This product can absorb water from the air. In case of high humidity or storage for extended periods of time, use plastic bags to enclose product containers to avoid caking.

**Part 8: Exposure Controls / Personal Protection****Engineering Controls:**

Use only with adequate ventilation. Keep containers closed. Safety shower and eye wash fountain should be within direct access.

**Respiratory Protection:**

Use a NIOSH-approved dust respirator where dust occurs. Observe OSHA regulations for respirator use (29 C.F.R. §1910.134).

**Skin Protection:**

Wear body-covering protective clothing and gloves.

**Eye Protection:**

Wear chemical goggles.

**Administrative Controls:** Users of this product must be properly trained and qualified in its use.

**Part 9: Physical and Chemical Properties**

<b>Physical State :</b>	Solid
<b>Odor and Appearance:</b>	Odorless; granular
<b>Specific Gravity (H2O=1):</b>	1.08 (8.96 lbs./gal)
<b>pH:</b>	11.5 – 12.5
<b>Boiling Point:</b>	Decomposes
<b>Melting Point:</b>	72.2°C (162°F)
<b>Vapor Pressure:</b>	Not Applicable
<b>Vapor Density:</b>	Not Available
<b>Volatility:</b>	Not Available
<b>Specific Gravity</b>	Not Available
<b>Solubility:</b>	Not Available
<b>VOC's</b>	0%

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## Part 10: Stability and Reactivity

### Stability

Stable

### Conditions to avoid

None Known

### Polymerization

Will not occur.

## Part 11. Toxicological Information

**Routes of Entry:** Eye contact. Inhalation. Ingestion.

**Sensitization to Product:** Not Applicable

**Chronic Effects on Humans:** Very hazardous in case of skin contact (irritant), of ingestion. Slightly hazardous in case of skin contact

**Toxicity to Animals:** LD50: Not Available. LC50: Not Available.

**Reproductive Toxicity:** Not Applicable

**Teratogenicity:** Not Applicable

**Mutagenicity:** Not Applicable

## Part 12. Ecological Information

### Acute Data:

This material has not been tested for primary eye irritation potential. However, on the basis of its high degree of alkalinity, it is regarded as corrosive to the eyes. When this material was tested for skin corrosion/irritation potential according to OECD

Guidelines Section 404, it produced dermal corrosion.

**Ecotoxicity:** Not Available.

## Part 13. Disposal Considerations

Disposed dry/solid material is not classified as a RCRA Hazardous waste. However, disposed water/wet solutions containing this material are classified as RCRA hazardous waste if they exhibit the corrosive characteristic (pH greater than or equal to 12.5) as defined in EPA rules at 40 C.F.R. §261.22 (a)(1).

**Disposal Method:** dispose in accordance with federal, state and local regulations.

## Part 14. Transport Information

**DOT Classification:** Not a controlled material (United States).

**This material is not regulated as a hazardous material.**

**UN Proper Shipping Name:** Disodium trioxosilicate

**Hazardous Class or Division:** 8

**UN Number:** UN3253

**Packaging Group:** III

## Part 15. Regulatory Information

**CERCLA:** No CERCLA Reportable Quantity has been established for this material.

Not an Extremely Hazardous Substance under §313. Hazard Categories under §§311/312: Acute

**U.S. Toxic Substances Control Act (TSCA):** All ingredients contained in this product are listed on the U.S. EPA TSCA Chemical Substance Inventory.

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**Part 16. Other Information**

Dynaflux, Inc.  
241 Brown Farm Rd.  
Cartersville, GA 30120  
Prepared by: E. Schaffstall

**Disclaimer of Expressed and implied Warranties:**

The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date of the I Safety Data sheet was prepared. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices as specified on the label copy.