



Dynaflux 600B 04/1/2014

## Safety Data Sheet

Product: Chem Sharp Chemical Tungsten Sharpener

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

Identification 600B

Product Use Description: Chemically mills and sharpens pure, thoriated, ceriated and lanthanated tungsten.

Trade Name: Chem Sharp Chemical Tungsten Sharpener

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**

Hazard statement(s)

H272 May intensify fire; oxidizer.

H301 Toxic if swallowed.

H319 Causes serious eye irritation.

H410 Very toxic to aquatic life with long lasting

**Emergency Overview:**

White to slightly crystalline solid. Toxic if swallowed or dust is inhaled.

**Oxidizer:** May ignite organic materials and react with other materials. Can decompose if mixed with acids or exposed to fire conditions, releasing toxic nitrogen oxides.**OSHA Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).**Potential Health Effects:****Exposure routes:**

Eyes, Skin Contact, Inhalation, Ingestion.

**Eye contact:** May strongly irritate or burn the eyes.**Skin contact:** May cause skin irritation.**Inhalation:** Product mists may cause irritation to the respiratory tract.**Ingestion:** May irritate the gastrointestinal tract. Although small quantities are used in food preparation, swallowing moderate amounts of sodium nitrite can result in serious toxic effects including death. Effects include nausea, weakness, cyanosis (blue skin), collapse and coma, possible leading to death. Sodium nitrite interferes with the blood's ability to transport oxygen.**HMIS Rating (U.S.)** Health 2, Flammability 0, Reactivity 1**Part 3: Composition / Information on Ingredients**

Hazardous Components	CAS No.	% by weight
Sodium nitrite	7632-00-00	>75

**Toxicological Data on Ingredients:** Sodium nitrite LD50: Acute: 180 mg/kg [Rat]. 175 mg/kg [Mouse].**GHS: Category 3**

## Part 4: First Aid Measures

### Eyes

Check for and remove any contact lenses. Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists. **GHS Category 2A**

### 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. If irritation develops seek medical attention. **GHS Category 2**

### Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get prompt medical attention. **GHS: Category 3**

### Ingestion:

Do not induce vomiting. Immediately give large quantities of water. Get medical attention immediately.

**Note to Physician:** Sodium nitrite forms met hemoglobin in the blood stream. Treat accordingly.

## Part 5: Fire Fighting Measures

### Flammable Properties:

**Flammability Classification:** Non-flammable.

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

**Flash Points:** Not Applicable.

**Fire Fighting Instructions/Equipment:** Use flooding amounts of water or other agents.

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

**Unsuitable Extinguishing Media:** Do NOT use dry chemicals containing ammonium phosphate.

### Explosive Limits

**Hazardous Combustion Products:** Oxides of nitrogen.

**Impact Sensitivity:** No information available.

**Sensitivity to Static discharge:** No information available.

### Specific Hazards Arising from the Chemical:

Material does not burn but is an oxidizing agent and will support combustion of other materials. Product decomposes above 608°F releasing toxic nitrogen oxides.

### Protective Equipment and Precautions for Firefighters:

Wear self-contained breathing apparatus (SCBA) and full protective equipment.

## Part 6: Accidental Release Measures

### In case of Spill or Other Release:

Remove sources of ignition. Ventilate area. Use non-sparking tools and equipment. Sweep or shovel spilled material into metal containers. Dispose of material according to local, state and federal authorities. Do not allow product or residues to enter waterways and /or any source of drinking water.

## Part 7: Handling and Storage

### Handling

Avoid contact with skin and eyes. Do not breathe product dusts. Avoid contact with incompatible, combustible organic or readily oxidizing materials.

### Storage

Store in a cool, dry, well-ventilated area. Keep containers tightly closed. Do not store on wooden floors. Isolate from combustible materials. Empty containers may contain product residues; observe all warnings and precautions listed for the product.

## Part 8: Exposure Controls / Personal Protection

### Engineering Controls:

Use local exhaust to keep airborne concentrations below the permissible exposure limits.

### Respiratory Protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use.

### Skin Protection:

Wear appropriate personal protective clothing to prevent skin contact. If prolonged or repeated contact is anticipated, all clothing should be impervious to liquid.

### Eye Protection:

Wear chemical safety goggles. Do not wear contact lenses.

## Part 9: Physical and Chemical Properties

Appearance	Crystals
Color	White to slightly yellow
Odor	None
Odor Threshold	No information available
Physical State	Solid
Physical State	~9.0 (for aqueous solution)
Flash Point	Not flammable
Auto-ignition Temperature	Not applicable
Boiling Point /Range	Decomposes above 608°F
Melting pint/Range	520°F
Flammability Limits in Air	No information available
Explosive Properties	No information available
Oxidizing Properties	Oxidant
Evaporation Rate	NA
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Specific Gravity	2.17
VOC Content (%)	0

## Part 10: Stability and Reactivity

### Stability

Normally stable

### Conditions to avoid:

Material slowly oxidizes to sodium nitrate when exposed to air. Avoid heat, flame, ignition sources, shock, friction and incompatibilities.

**Incompatible Products:**

Hazardous reactions can occur with acids, ammonium compounds, reducing agents (particularly cyanides, thiocyanates and thiosulfates). May ignite organic compounds and other combustible materials.

**Hazardous Decomposition Products:**

Oxides of nitrogen (toxic and irritating).

**Polymerization:**

Will not occur

**Part 11. Toxicological Information****CHRONIC TOXICITY**

<b>Carcinogenicity</b>	There is no known carcinogenic chemicals in this product.
<b>Mutagenic Effects</b>	No information available.
<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>Teratogenicity</b>	Multiple reproductive tests indicate that sodium nitrite is not teratogenicity.
<b>Target Organ Effects</b>	No information available.

**Part 12. Ecological Information**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**Mobility in Environmental Media** No information available.

**Part 13. Disposal Considerations**

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

**Part 14. Transport Information**

**DOT Classification:** ORM-D

**IMDG:**

**Hazard Class:** 5.1

**Subsidiary Hazard Class:** 6.1

**UN-No:** UN1500

**Packing Group:** PGIII

Continued

**Part 15. Regulatory Information**

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

**SARA 311/312 Hazardous Categorization**

<b>Chronic Health Hazard</b>	<b>No</b>
<b>Acute health Hazard</b>	<b>Yes</b>
<b>Fire Hazard</b>	<b>Yes</b>
<b>Sudden Release of Pressure Hazard</b>	<b>Yes</b>
<b>Reactive Hazard</b>	<b>Yes</b>

**CLEAN WATER ACT**

<u>Component</u>	<u>CAS-No.</u>	<u>Weight%</u>	<u>SARA 13-Threshold Values</u>
Sodium nitrite	7632-00-0	>75	1.0

**CERCLA**

<u>Component</u>	<u>CERCLA RQ (lb)</u>
Sodium nitrite	100 lb

**U.S. State Regulations**California Proposition 65

This product does not contain any Proposition 65 chemicals.

**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 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.