

# MATERIAL SAFETY DATA SHEET

## **Section I. Identity:**

**Product Name:** NICROBRAZ GREEN STOP-OFF TYPE I  
**MSDS Date:** July 14, 2010 (supersedes MSDS issued January 19, 2010)

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## **Section II. Ingredients/Identity Information:**

<b><u>COMPONENT</u></b>	<b><u>CAS No.</u></b>	<b><u>OSHA PEL</u></b>	<b><u>ACGIH TLV</u></b>	<b><u>PERCENT</u></b>
Ceramic powder	Trade secret	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	15 – 40
Isopropyl Acetate	108-21-4	250 ppm	100 ppm	10 – 30
Isopropanol	67-63-0	400 ppm	200 ppm	10 – 30
Ethyl Alcohol	64-17-5	1000 ppm	NE*	7 – 13
Petroleum Distillates	64742-89-8	500 ppm	300 ppm	5 – 10
Methyl N.A. Ketone	110-43-0	100 ppm	50 ppm	5 – 10
Methyl n-P Ketone	107-87-9	200 ppm	200 ppm	1 – 5
Ethyl 3-Ethoxypropionate	763-69-9	NE*	NE*	1 – 5
Diacetone Alcohol	123-42-2	50 ppm	50 ppm	0.1 – 1

\*NE=There are no established exposure limits for these materials.

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## **Section III. Physical/Chemical Characteristics**

**Boiling Point:** Solvent 180°F      **Specific Gravity (H<sub>2</sub>O=1):** 1.90  
**Vapor Pressure:** Solvent 47      **Melting Point:** Not applicable  
**Vapor Density (air=1):** > 1      **Solubility:** Not soluble  
**Evaporation Rate (butyl acetate-1):** Slower than ether.  
**Appearance and Odor:** Green liquid, sweet aromatic odor.

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## **Section IV: Fire and Explosion Data**

**Flash Point and Method Used:** 39°F, Pensky-Martens closed tester  
**Extinguishing Media:** Regular foam, carbon dioxide or dry chemical.  
**Special Fire-Fighting Procedures:** Exposure to heat can produce irritating or harmful vapors. If material is involved in a fire, full protective equipment including self-contained breathing apparatus should be used.  
**Unusual Fire and Explosion Hazards:** Closed containers can rupture if exposed to extreme heat, water may be used to cool closed containers. Do not store above 120°F (preferred storage temperature is less than 80°F); FLAMMABLE LIQUID.

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## **Section V. Reactivity Data Stability:**

This product is stable.

**Conditions to Avoid:** Do not apply liquid Stop-off to hot metal. All metals must be below 120°F when liquid is applied. Allow Stop-off to dry before heating metals.

**Incompatibility:** Avoid contact with strong oxidizers, acids, chlorine, acetaldehyde, ethylene oxide, aluminum compounds/chemicals, and strong bases.

**Hazardous Decomposition or Byproducts:** Carbon dioxide, carbon monoxide and various hydrocarbons. **Hazardous Polymerization:** Will not occur

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## **Section VI. Health Hazard Data**

**Expected Route of Entry:** Inhalation of fumes.

**Health Hazards (Acute and Chronic):** Chronic over exposure of a component of this product has shown to harm the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain. This component has also been suggested as a cause of aggravation for preexisting disorders of the liver in humans.

**Carcinogens:** No ingredients are listed as carcinogens.

**Signs and Symptoms of Exposure:** Acute inhalation of vapors may cause nausea, headache, or dizziness. Can cause eye irritation, stinging or tearing. Prolonged or repeated exposure may dry the skin.

**Medical Conditions that May be Aggravated:** Asthma, respiratory problems, liver damage, or dry skin.

**Emergency and First-Aid Procedures:** **Inhalation:** Remove to fresh air; if symptoms persist, get medical attention. **Eyes:** Flush with water for 15 minutes while holding lids open. **Skin contact:** Wash with mild soap and water. **Ingestion:** If significant amount, give water. Do not induce vomiting, and get medical attention.

## **Section VII. Precautions for Safe Handling and Use**

**Procedure in Case of Spill:** Eliminate ignition sources, pilot lights, etc. Take up with vermiculite or other inert absorbent (use non-sparking tools). Prevent run-off to drains or sewers. Save for proper disposal in covered, labeled container.

**Waste Disposal Method:** Dispose in accordance with regulations for flammable liquid of this type.

**Precautions for Handling or Storing:** Do not store or use at temperature above 120°F. Keep tightly covered when not in use. Avoid skin and eye contact. Use with good ventilation away from heat, ignition sources, and open flame. If temperature exceeds 120°F move product/operation to a cooler area.

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## **Section VIII. Control Measures**

**Respiratory Protection:** Not normally required. If using large amount of this material, and exposure limits are exceeded, increase ventilation and/or wear respirator in compliance with OSHA Respiratory Protection Program CFR 1910.134. If wire brushing when product is dry, NIOSH approved respirator giving protection from dusts/mists should be worn.

**Recommended Ventilation:** If product is consistently used at one location, local exhaust is recommended. For minimal use, good general ventilation is sufficient, as long as exposure limits are not exceeded.

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**Gloves:** If repeated skin contact is unavoidable, solvent-resistant gloves are recommended. **Eye Protection:** Not normally required, if eye irritation is a problem, chemical goggles are suggested.

**Other:** Do not eat or smoke in areas of use.

**General Health and Safety Warning:** THE FOLLOWING IS A PRECAUTIONARY STATEMENT THAT APPLIES TO ALL WELDING/BRAZING PRODUCTS: Keep your head out of the fumes. Use enough ventilation, exhaust at work, or both, to keep fumes and gases from your breathing zone. See American National Standard Z49.1 "Safety in Welding and Cutting" published by the American Welding Society, 550 N.W. LeJeune Road, Miami, FL 333126 and OSHA 29 CFR 1910, available from the U.S. Government Printing Office, P.O. Box 371954, Pittsburgh, PA 15250-7954.

**DOT Shipping Information:** UN 1263, Freight description: "Paint Related Material, FLAMMABLE LIQUID, in inner containers". Hazard Class 3, packing group II. Emergency phone number: CHEMTREC 1-800-424-9300.

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### **NFPA Ratings:**

Health:   **2**    Flammability:   **3**    Reactivity:   **0**

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### **SARA Title III Information:**

The following materials are subject to the reporting requirements of Section 313 of Title III, of the Superfund Amendments & Reauthorization Act of 1986, and 40 CFR Part 372: None known

### **Toxic Substances Control Act Certification:**

This product complies with all applicable rules and/or orders under TSCA. Chemical ingredients as formulated in this product do not require export notification as per TSCA section 12b, 7.07.60

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The information supplied herein follows the guidelines of OSHA Hazard Communication Standard 29 CFR 1910.1200, and to the best of our knowledge, is accurate and complete. The recommended hygiene and handling practices are believed to be appropriate for the use of this material. However, it is up to the end user to review this information and establish their own procedures and guidelines, based upon their particular application(s).