

MATERIAL SAFETY DATA SHEET

PLEASE CAREFULLY READ AND UNDERSTAND THIS MATERIAL SAFETY DATA SHEET BEFORE USING THIS PRODUCT

For Manufactured Welding Consumables and Related Products. May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200 and Superfund Amendments and Reauthorization Act (SARA) of 1986 Public Law 99-499. Standard must be consulted for specific requirements

SECTION I (IDENTIFICATION)

Manufacturer/Supplier Name: UNIWELD PRODUCTS, INC. Emergency Phone No.: (954) 584-2000
2850 Ravenswood Road
Fort Lauderdale, FL 33312

Product Name(s): **Cool Blue**
Product Classification: **Heat Sink Paste**

SECTION II (HAZARDOUS INGREDIENTS/IDENTITY INFORMATION)

INGREDIENT	CAS NO.	EXPOSURE LIMIT (mg/m ³)	
		OSHA PEL	ACGIH TLV
Section II does not apply to any material in this product.			

SECTION III (PHYSICAL DATA)

Boiling Point: N/A
Melting Point (Pour Point): N/A
Vapor Pressure (mm Hg): Same as water
Vapor Density (AIR=1): Same as water
Solubility in Water: Paste is insoluble in water
Specific Gravity (H₂O=1): 1.12
Evaporation Rate (Water=1): N/A
Appearance and Odor: Blue paste with a nondescript odor

SECTION IV (FIRE AND EXPLOSION HAZARD DATA)

Flash Point (Method Used): None
Flammable Limits: None
Extinguishing media: N/A
Special Fire Fighting Procedures: None
Unusual Fire & Explosion Hazards: None

SECTION V (REACTIVITY DATA)

Stability - Stable
Conditions to avoid: None
Incompatibility (Materials to avoid): Strong acids
Hazardous Decomposition or By-products: None
Hazardous Polymerization: Will not occur

One recommended way to determine the composition and quantity of fumes to which workers are exposed is to take an air sample inside the welder's helmet. If worn, or in the worker's breathing zone. (See ANSI/AWS F1.1, available from the American Welding Society, P.O. Box 351040, Miami, FL 33135. Also from AWS is F1.3, "Evaluating Contaminants in the Welding Environment - A Sampling Strategy Guide," which gives additional advice on sampling.) At a minimum, materials listed in this section should be analyzed for the following:

HAZARDOUS DECOMPOSITION PRODUCTS

SECTION VI (HEALTH HAZARD DATA)

Routes of entry: Inhalation: Yes (mists) Skin: Yes Ingestion: Yes Eyes: Yes

Health Hazards: (acute and chronic): The toxicological properties of this compound have not been fully tested. Analogous compounds are essentially nontoxic.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and symptoms of exposure:

Inhalation: This product is not toxic by inhalation.
Skin: Minimally irritating. Prolonged contact may cause dermatitis or drying of skin.
Ingestion: **Do not take internally.** Low toxicity on ingestion. May cause nausea or diarrhea.
Eyes: May cause eye irritation.

Medical Conditions Aggravated by Exposure: Prolonged contact could exacerbate existing skin disorders.

Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes. Consult a physician if irritation persists.
Skin: Remove contaminated clothing. Wash the affected area with soap and water. Launder or dry clean clothes before reuse.
Inhalation: Does not apply
Ingestion: DO NOT induce vomiting. Drink water or milk to dilute. If nausea or distress occurs, get medical attention.

WARNING: CALIFORNIA PROPOSITION 65: This product, when used for welding, soldering, brazing, cutting and other metal working or flame processes, produces fumes, particulates, residues and other by-products which contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION VII (PRECAUTIONS FOR SAFE HANDLING AND USE/APPLICABLE CONTROL MEASURES)

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Floors may be slippery; use care to avoid falling. Sweep, shovel or scrape up spilled material and transfer to a suitable container for disposal.

WASTE DISPOSAL METHODS: This product is not considered an environmental hazard. It may be incinerated or buried in a local landfill in accordance with local, state and federal regulations.

HANDLING AND STORAGE: Avoid contact with eyes and prolonged contact with skin. Keep containers closed when not in use. Store in a cool dry area.
Empty containers may retain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations.
Keep this and all chemicals out of reach of children.

Carefully read and understand the manufacturer's instructions and the precautionary label on the product. (See American National Standard Z-49.1, "Safety in Welding and Cutting," published by the American Welding Society, P.O. Box 351040, Miami, FL 33135 and OSHA Publication 2206 (29 CFR 1910), US Government Printing Office, Washington, DC 20402 for more details on the following):

VENTILATION: Use enough ventilation, local exhaust at the arc or joint being brazed, or both, to keep the fumes and gases below the TLV's (Threshold Limit Value) in the worker's breathing zone and the general area. Train the welder/technician to keep his head out of the fumes.

WARNING: DO NOT BREATHE FUMES!

RESPIRATORY PROTECTION: Use NIOSH approved or equivalent respirable fume respirator or air supplies respirator when welding in confined spaces or where local exhaust or ventilation does not keep exposure below PEL/TLVs.

EYE PROTECTION: Wear helmet or use face shield with filter lens. As a rule of thumb, begin with shade #14. Adjust if needed by selecting the next lighter or darker shade number.

PROCEDURE FOR CLEANUP OR SPILLS OR LEAKS: Recyclable solid. Vacuuming is strongly recommended for accumulated dust. Conform with applicable federal, state, local, and OSHA regulatory statutes..

WASTE DISPOSAL: Prevent waste from contaminating surrounding environment. Discard any product, residue, disposable container or liner in an environmentally acceptable manner, in full compliance with Federal, State and Local regulations.

SPECIAL PRECAUTIONS: IMPORTANT. MAINTAIN EXPOSURE BELOW PEL/TLV. USE INDUSTRIAL HYGIENE MONITORING TO ENSURE THAT YOUR USE OF THIS MATERIAL DOES NOT CREATE EXPOSURES WHICH EXCEED PEL/TLV. Always use exhaust ventilation. Refer to the following sources for important additional information: ANSI Z-49.1. The American Welding Society, P.O. Box 351040, Miami FL 33135; OSHA (29 CFR 1910), US Dept. of Labor, Washington, DC 20210.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Clothing should be laundered after contact. Wash hands after handling. Do not smoke cigarettes while handling.

WORK HYGIENIC PRACTICES: Wash hands after handling this material, and before eating or smoking.

SECTION VIII (ADDITIONAL INFORMATION)

Transportation Information:

DOT HAZARD LABEL: None

DOT Description: None

TSCA: All ingredients are TSCA approved.

SARA TITLE III Reporting Requirements:

Section 302: EHS reporting not required

Section 304: Hazardous releases reporting not required.

Section 311: Community Right To Know reporting is required if the inventory is above the Threshold Planning Quantity.

Section 312: R-T-K Inventory data reporting is not required.

Section 313: Emissions and release reporting may be required for users of this product within the manufacturing sector. This does not apply to service companies.

Uniweld Products, Inc. believes this data to be accurate and to reflect qualified expert opinion regarding current research. Uniweld Products, Inc. cannot make any expressed or implied warranty as to this information.