

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	% or Range	CAS NO	EXPOSURE LIMIT(mg/m3)	
			OSHA PEL	ACIGH TLV
Water	75-80	7732-18-5		
Propylene glycol	<1	57-55-6		
Octyl phenol ethoxylate	<1	9036-19-5		
Bentonite	5-10	1302-78-9 5-10		
Attapulgite	5-10	12114-11-7 5-10		
Diatomaceous Earth	1-5	6855-54-9	80 mg/M ³	
Sodium silicate	<1	1344-09-8	2 mg/M ³	
Blue Dye	<200 ppm	6408-80-6	0.37 mg/M ³	
Formaldehyde	<100 ppm	50-00-00		
EPA HAZARD CATEGORIES: None				

SECTION III (PHYSICAL DATA)

Boiling Point: Point: 212°F
Melting Point (Pour Point): <32°F
Vapor Pressure (mm Hg): Same as water
Vapor Density (AIR=1): Same as water
Solubility in Water: Water miscible
Specific Gravity (H2O=1): 1.12
Evaporation Rate (Water =1): 1
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: Keep containers cooled with a water spray if involved in a fire.
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:

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 non-toxic.

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. Contact may cause temporary stains on skin.

Ingestion: **Do not take internally.** Non-toxic.

Eyes: May cause temporary eye irritation.

Medical Conditions Aggravated by Exposure: Contact or breathing mists may exacerbate existing skin or respiratory 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: Inhalation of mists or spray is not expected to have any negative health effect.

Ingestion: DO NOT induce vomiting. Drink 3-4 glasses of water or milk, and contact the nearest poison control center. This product is a solution based on a food coloring dye.

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 STORAGE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Wear recommended protective clothing. Remove contaminated garments promptly. Remove unnecessary personnel from the area. Floors may be slippery; use care to avoid falling. Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or “oil-dri” or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers and dispose of in accordance with local, state, and federal regulations.

WASTE DISPOSAL METHODS: Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations.

HANDLING AND STORAGE:

Avoid contact with skin and eyes. Keep containers closed when not in use. Store in a dry, cool, well ventilated 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 the reach of children.

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): Use in a well-ventilated area. If mist is being generated, and is irritating to breathing passages, wear a dust/mist filter.

Ventilation: Local exhaust is recommended when used in enclosed areas.

Protective Gloves: Neoprene or other materials may be used if there is documented evidence of compatibility as necessary for individuals with sensitive skin.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Other Protective Clothing: Neoprene aprons, overshoes, oversleeves or other impervious clothing as necessary to minimize exposure.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking.

SECTION IX – ADDITIONAL INFORMATION

Transportation Information:

DOT HAZARD LABEL: None

DOT Description:

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.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

CANADA INVENTORY (DSL/NDSL): All components of this product are listed on the DSL.

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.

SECTION IX – ADDITIONAL INFORMATION

Transportation Information:

DOT HAZARD LABEL: None

DOT Description:

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.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

CANADA INVENTORY (DSL/NDSL): All components of this product are listed on the DSL.

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.

MSDS# 91861

MATERIAL SAFETY DATA SHEET
COOL BLUE

SECTION I-IDENTIFICATION

HAZARD RATINGS

HMIS DATA

HEALTH 0 0=MINIMAL
FIRE 0 1=SLIGHT
REACTIVITY 0 2 =MODERATE
3=HIGH
4=EXTREME

Uniweld Products, Inc.
2850 Ravenswood Road
Fort Lauderdale, FL 33312
EMERGENCY Phone No. **800-323-2111**
PHONE NUMBER FOR INFORMATION: **954-584-2000**
DATE REVISED: 04/02/07

SECTION II HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO	OSHA PEL	ACIGH TLV	OTHER STEL	% or Range
Water	7732-18-5				75-80
Propylene glycol	57-55-6				<1
Octyl phenol ethoxylate	9036-19-5				<1
Bentonite	1302-78-9				5-10
Attapulgate	12114-11-7				5-10
Diatomaceous Earth	6855-54-9	80 mg/M ³			1-5
Sodium silicate	1344-09-8	2 mg/M ³			<1
Blue Dye	6408-80-6				<200 ppm
Formaldehyde	50-00-00	0.37 mg/M ³			<100 ppm

EPA HAZARD CATEGORIES: None

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >212°F
Vapor pressure (mm Hg): Same as water
Vapor Density (Air = 1): Same as water
Solubility in water: Water miscible
Appearance and odor: Odorless blue paste

Specific gravity (H₂O = 1): 1.05
Melting Point (Pour Point): <32°F
Evaporation Rate (Water = 1): 1

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None
Flammable Limits: None

Extinguishing media: Not applicable

Special Fire Fighting Procedures: Keep containers cooled with a water spray if involved in a fire.

Unusual Fire and Explosion Hazards: None

SECTION V – REACTIVITY DATA

Stability-Stable
Incompatibility (Materials to avoid): None

Conditions to avoid: None

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will not occur.

MSDS# 91861

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 non-toxic.

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. Contact may cause temporary stains on skin.

Ingestion: **Do not take internally.** Non-toxic.

Eyes: May cause temporary eye irritation.

Medical Conditions Aggravated by Exposure: Contact or breathing mists may exacerbate existing skin or respiratory 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: Inhalation of mists or spray is not expected to have any negative health effect.

Ingestion: DO NOT induce vomiting. Drink 3-4 glasses of water or milk, and contact the nearest poison control center. This product is a solution based on a food coloring dye.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Wear recommended protective clothing. Remove contaminated garments promptly. Remove unnecessary personnel from the area. Floors may be slippery; use care to avoid falling. Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or "oil-dri", or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

WASTE DISPOSAL METHODS: Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations.

HANDLING AND STORAGE:

Avoid contact with skin and eyes. Keep containers closed when not in use. Store in a dry, cool, well-ventilated 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 the reach of children.

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): Use in a well-ventilated area. If mist is being generated, and is irritating to breathing passages, wear a dust/mist filter.

Ventilation: Local exhaust is recommended when used in enclosed areas.

Protective Gloves: Neoprene or other materials may be used if there is documented evidence of compatibility as necessary for individuals with sensitive skin.

Eye protection: Safety glasses (ANSI Z87.1) or approved equivalent as necessary to minimize eye contact hazards.

Other Protective Clothing: Neoprene aprons, overshoes, oversleeves or other impervious clothing as necessary to minimize exposure.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking.

MSDS# 91861

SECTION IX – ADDITIONAL INFORMATION

Transportation Information:

DOT HAZARD LABEL: None

DOT Description:

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.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

CANADA INVENTORY (DSL/NDL): All components of this product are listed on the DSL.

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.