



Safety Data Sheet

1. Identification

Product Identifier: Silver Brazing Paste Flux

Other means of Identification

Description: Brazing Flux

Product code: UNI-1000

Recommended use: Brazing Flux to Solder dissimilar base metals such as Aluminum to Copper and/or Brass

Recommended restrictions: None known

Manufacturer/Importer/Supplier/Distribution information:

Supplier Address: Uniweld Products, Inc.
2850 Ravenswood Road, Ft. Lauderdale, FL 33312, United States of America

Emergency: **For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

2. Hazard(s) identification

Physical hazards: Ingestions (liquid) and Inhalation (fumes). Contact with skin or other body parts.

Health hazards: Classification (CLP): NA
Label Elements (CLP): NA

OSHA defined hazards: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Signal word: DANGER



Hazard statement: **Precautionary Phrases:** P264, P305+P351+P338, P301+P330+P331

Risk Phrases: R62, R25, R36/37/38, R60/61

Safety Phrases: S-26, S-27, S-36/37/39, S-45

NOTE: See section XVI for full text description of **S** and **R** phrases

Prevention: None if used properly

Response: Not Applicable

Storage: Protect from sunlight. Store in a well-ventilated place.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise

classified(HNOC): Not Applicable



3. Composition/Information on ingredients

Substances

Chemical name:	CAS number:	%:	OSHA PEL	H STATEMENTS
Potassium Fluorohydroborate	12228-71-6	20-40	2.5 mg/m ³	H319,H360
Potassium Tetraborate	1332-77-0	15-25	5.0 mg/m ³	H360
Boric Acid	10043-35-3	30-45	10 mg/m ³	H303,H360
Potassium Fluoborate	14075-53-7	7-15	2.5 mg/m ³	NA

None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

4. First-aid measures

Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center immediately.
Skin contact:	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation develops and persists. Seek medical assistance.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion:	If patient is fully conscious, give large amounts of water. Obtain medical attention immediately.
Most important symptoms/effects, acute and delayed:	Signs and Symptoms of Overexposure Salivation, coughing, choking, chills, may cause weight loss, brittle bones, anemia, and stiff joints.
Indication of immediate medical attention and special treatment needed:	Exposure may aggravate pre-existing respiratory disorders. Treat symptomatically. Any weakness of the lungs, kidneys or liver will be aggravated.
General information:	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Chemical Listed as Carcinogen or Potential Carcinogen: None OSHA Permissible Exposure Limit (PEL): 2.5 mg/m ³ ACGIH Threshold Limit Value (TLV): 2.5 mg/m ³

5. Fire-fighting measures

Suitable extinguishing media:	Not Needed.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	Flammable Limits: Lower-NA, Upper-NA
Special protective equipment and precautions for firefighters:	Fluorides.
Fire-fighting equipment/instructions:	Use NIOSH/MSHA -approved self-contained breathing apparatus and full protective clothing if involved in fire.
Specific methods:	None
General fire hazards:	No known significant effects or critical hazards.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. In case of inadequate ventilation, use respiratory protection. Wear appropriate personal protective equipment.

Methods and materials for containment and cleaning up: Clean up paste and flush remaining material with lots of water.

Environmental precautions: This material has not been tested for environmental effects.

7. Handling and storage

Precautions for safe handling: Store in plastic containers in cool area. Do not store in glass or porcelain containers. Wash thoroughly after use.

Conditions for safe storage, including any incompatibilities: Store in accordance with local, regional, national, and international regulations. Store in a cool, dry, well-ventilated place.

8. Exposure controls/personal protection

Use NIOSH-approved breathing apparatus to prevent exposure to dusts and fumes.

Biological limit values: No biological exposure limits noted for the ingredient(s).

Exposure guidelines: Follow standard monitoring procedures.

Individual protection measures, such as personal protective equipment.

Eye/face protection: Wear approved safety glasses or goggles.

Skin protection: Wear appropriate chemical resistant gloves.

Other: Wear protective clothing appropriate for the risk of exposure.

Respiratory protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable, see section 3) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: Do not eat, drink or smoke when using the product. Wash hands thoroughly after handling. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practices.

9. Physical and chemical properties

Appearance: White odorless paste
Physical state: Various shapes and sizes.
Form: Paste
Color: White
Odor: Odorless
Odor threshold: Not available.
pH: Not applicable.
Melting point: 932 °F / 500 °C
Flash point: Not applicable.
Evaporation rate: Not applicable.
Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits

Flammability limit-lower(%): Not applicable.

Flammability limit-upper(%): Not applicable.

Explosive limit-lower(%): Not available.

Explosive limit-upper (%): Not available.

Vapor pressure: Not applicable.

Vapor density:	Not applicable.
Relative density:	Not applicable.
Solubility (ies)	
Solubility (water):	Moderate
Partition coefficient (n-octanol/water):	Not applicable.
Auto-ignition temperature:	Not applicable.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Other information	
VOC (Weight%):	Not available.

10. Stability and reactivity

Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability:	Stable under normal temperature conditions and recommended use.
Possibility of hazardous reactions:	Polymerization will not occur.
Conditions to avoid:	Excess Heat.
Incompatible materials:	Glass or porcelain
Hazardous decomposition products:	Fluorides with high heat.

11. Toxicological information

Information on likely routes of exposure

Acute Toxicity Data:

Oral: LD-50 (rat): Not available
Inhalation: LC-50 (rat): Not available
Dermal: LD-50 (rabbit): Not available
Skin Irritation: (rabbit): Not available

Chronic Toxicity Data:

Repeated Skin Application: (rat): Not available
Eye Irritation: (rabbit): Not available

Ingestion: If patient is fully conscious, give large amounts of water.
Obtain medical attention immediately.

Inhalation: Remove to fresh air.

Skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

IARC Monographs. Overall Evaluation or Carcinogenicity

Reproductive toxicity: Not classified.

Specific target organ toxicity-single exposure: Not classified.

Specific target organ toxicity-repeated exposure: Not classified.

Aspiration hazard: Not classified.

Chronic effects Not classified.

12. Ecological information

Ecotoxicity:	Not expected to be harmful to aquatic organisms.
Persistence and degradability:	This material has not been tested for environmental effects.
Bioaccumulative potential:	The product is not expected to Bio-accumulate.

13. Disposal considerations

Disposal instructions:	Dispose in accordance with all applicable regulations.
Local disposal regulations:	Dispose in accordance with all applicable regulations.
Waste from residues/unused products:	Dispose of in accordance with local regulations.

14. Transport information

Ground - DOT Proper Shipping Name: Non-Hazardous

Air - IATA Proper Shipping Name: N/A

15. Regulatory information

Federal Regulations

SARA Title III Program:

This product contains no toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right to Know Act (EPCRA) of 1986 and 40 CFR 372

OSHA Hazardous Chemical According to 29 CFR 1910.1200: None

Carcinogenicity Classification (Components Present at 0.1% or More): Non-carcinogenic

International Agency for Research on Cancer (IARC): Not listed

American Conference of Governmental Industrial Hygienists (ACGIH): Not listed

National Toxicology Program (NTP): Not listed

Occupational Safety and Health Administration (OSHA): Not listed

None of the components of this product are listed on the U.S. toxic substances control act inventory or otherwise comply with TSCA pre-manufacture notification requirements.

Other Regulations

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/or other by-products which contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

US-California Proposition 65-Carcinogens & Reproductive Toxicity (CRT): Listed substance: Not listed.

16. Other information, including date of preparation or last revision

Issue date: 15-April-2016

Version #: 01

The labeling of this product is indicated in Section II.

The full text of all abbreviations indicated by codes in the MSDS are as follows:

R25	Toxic if swallowed
R36	Irritating to eyes
R37	Irritating to respiratory system

R38	Irritating to skin
R60/61	May cause infertility/May cause harm to unborn child
R62	Possible risk of impaired fertility
S-26	In case of eye contact, rinse thoroughly and get medical attention
S-27	Take off immediately contaminated clothing
S-36/37/39	Wear suitable protective clothing, gloves, and eye/face protection
S-45	In case of accident or if not feeling well call for medical advice immediately
H303	May be harmful if swallowed
H319	Causes serious eye irritation
H360	May damage fertility or the unborn child
P264	Wash hands thoroughly after handling
P305+351+338IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P301+330+331 IF SWALLOWED:	Rinse mouth. Do NOT induce vomiting

This information must be included in all SDS that are copied and distributed for this material.

**GOOD HOUSEKEEPING PROCEDURES SHOULD BE MAINTAINED.
PERSONNEL SHOULD WASH THOROUGHLY BEFORE SMOKING OR EATING
FOOD AND DRINK SHOULD NOT BE CONSUMED, TOBACCO PRODUCTS USED,
OR COSMETICS APPLIED IN AREAS WHERE EXPOSURES EXIST.**

Please retain this sheet for your files. Uniweld Products, Inc. maintains a file of Safety Data Sheets (SDS) for each alloy produced in compliance with Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and various right-to-know laws.

The information and recommendations contained within this publication have been compiled from sources believed to be reliable and to represent the best information available to Uniweld Products, Inc. at the time of issue. This submission is to become a matter of record and need not accompany subsequent shipments for the same product to the same customer. The information contained on this sheet is intended solely for employee health and safety education and not for contract specification purposes. No warranty, guarantee, or representation is made by Uniweld Products, Inc. nor does Uniweld Products, Inc. assume any responsibility in connection there within; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances. Should you need additional information, contact us.

Disclaimer:

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