



SAFETY DATA SHEET

SDS Name: Alloy Braze
SolderWeld, Inc.

SECTION I: Identification of the substance/mixture and the company

1.1 Product Identifier

Product name : Alloy Braze
Type of product : Brazing wires and rods

1.2 Relevant Identified uses of the substance and uses advised against

1.2.1 Relevant identified uses

Main use category : Professional Use
Industrial/Professional use spec : For Professional use only
Use of substance : Brazing, soldering, and welding products, flux products

1.2.2 Uses advised against

No additional information available

1.3 Details of Supplier of the Safety Data Sheet

SolderWeld, Inc.
2050 N 300 W #72
Spanish Fork, UT 84660
USA
800-356-8449
info@solderweld.com

1.4 Emergency Telephone Number

Emergency Number : 001-800-424-9300 (Chemtrec)

SECTION 2: Hazards Identification

2.1 Classification of the substance

Classification according to regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2 H319
Lact. H362
STOTRE1 H372

Adverse physicochemical, human health and environmental effects

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]



GHS07



GHS08

Signal word (CLP) : Danger

Hazardous ingredients : Potassium and aluminum fluoride

Hazard statements (CLP) : H319 - Causes serious eye irritation
H362 - May cause harm to breast-fed children
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (CLP) : P201 - Obtain special instructions before use
P260 - Do not breathe fume, gas, vapours
P263 - Avoid contact during pregnancy/while nursing P264 - Wash ... thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P280 - Wear protective clothing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water
P314 - Get medical advice/attention if you feel unwell
P337+P313 - If eye irritation persists: Get medical advice/attention
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 Other Hazards

No additional information available

SECTION 3: Hazards Identification

3.1 Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Potassium and aluminum fluoride	(CAS No) 60304-36-1 (EC no) 262-153-1 (REACH-no) 01-2119513404-51	< 15	T; R48/23 Xi; R36 Xn; R20 R52/53 R64
Cesium Tetrafluoro Aluminate Complex	(CAS No) 138577-01-2	< 8	Xn; R48/22 R52/53 Xi; R41

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Potassium and aluminum fluoride	(CAS No) 60304-36-1 (EC no) 262-153-1 (REACH-no) 01-2119513404-51	< 15	Eye Irrit. 2, H319 Lact., H362 STOT RE 1, H372 Aquatic Chronic 3, H412
Cesium Tetrafluoro Aluminate Complex	(CAS No) 138577-01-2	< 8	Not classified

SECTION 4: First aid measures

4.1 Description of first aid measures

First aid measures after inhalation: : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Assure fresh air breathing. In case of doubt or persistent symptoms, consult always a physician.

First aid measures after skin contact: : When symptoms occur: rinse immediately with plenty of water. The melted product adheres to the skin and causes burns. Treat as thermal burns.

First aid measures after eye contact: : Rinse immediately and plentifully with water and take medical advice.

First aid measures after ingestion: : Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: : May cause respiratory irritation.

Symptoms/injuries after skin contact: : May cause moderate irritation.

Symptoms/injuries after eye contact: : May cause eye irritation.

Symptoms/injuries after ingestion: : Harmful if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information provided

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: : Only combustible materials nearby the working area can provoke fire or explosion. As a consequence, extinction measures have to be adapted to the burning materials.

5.2 Special hazards arising from the mixture

Fire hazard: No additional information provided

Explosion hazard: No additional information provided

Reactivity in case of fire: No additional information provided

Hazardous decomposition

products in case of fire: Toxic and corrosive vapours may be released. hydrofluoric acid.

5.3 Advice for firefighters

Precautionary measure fire: No additional information provided

Firefighting instructions: No additional information provided

Protection during firefighting: Put on breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures: None.

6.1.1 For non-emergency personnel

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection.

Emergency procedures: Ventilate area. Avoid contact with skin and eyes. Avoid breathing dust/fume.

Measures in case of dust release: Where excessive dust may result, use approved respiratory protection equip.

6.1.2 For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. Wear suitable protective clothing, gloves and eye or face protection. For further

information refer to section 8: "Exposure controls/personal protection". Avoid contact with skin and eyes. Avoid breathing dust/fume.
Emergency procedures: Evacuate unnecessary personnel. Ventilate area.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment: No special measures required.
Methods for cleaning up: Recover mechanically the product. This material and its container must be disposed of in a safe way and as per local legislation.
Other information: Dispose of in accordance with relevant local regulations. This material and its container must be disposed of as hazardous waste.

6.4 Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer section 13: "Disposal considerations".

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume.
Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures: Ensure adequate ventilation, especially in confined areas.
Storage conditions: Store locked up. Store in well-ventilated place. Keep cool
Incompatible products: Acetylene, ammonia, ammonium nitrate, aqua regia, dioxane, ethylene oxide, chlorine trifluoride, halogens, hydrogen peroxide, hydrazine, mononitrate, hydrazoic acid, hydroxylamine, hydrogen sulfide, performic acid, phosphorus, selenium, sulfur, titanium plus potassium chlorate, bromates chlorates and iodate of alkali and alkali earth metals.
Storage area: Store in a well-ventilated area.
Packaging materials: Keep only in original container.

7.3 Specific end use

Other hot work operations with metals.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No additional information available

8.2 Exposure controls

Appropriate engineering controls: Provide adequate general and local exhaust ventilation
Personal protective equipment: Combined gas/dust mask with filter type P3. Gloves. Safety glasses.

Materials for protective clothing: Protective clothing.
 Hand protection: Wear suitable protective clothing
 Eye protection: Protective gloves
 Skin and body protection: Safety glasses.
 Respiratory protection: Wear suitable protective clothing
 Combined gas/dust mask with filter type P3



Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	: Solid
Appearance:	: Brazing wires and rods.
Color:	: Light grey.
Odor:	: No data available
Odor Threshold:	: No data available
pH:	: No data available
Relative evaporation rate:	: No data available
Melting point:	: 560 - 585 °C
Freezing point:	: No data available
Boiling point:	: No data available
Flash point:	: No data available
Auto-ignition temp:	: No data available
Decomposition temperature:	: No data available
Flammability (solid, gas):	: No data available
Vapor pressure:	: No data available
Relative vapor density at 20 C:	: No data available
Relative density:	: No data available
Solubility:	: No data available
Log pow:	: No data available
Viscosity, kinematic:	: No data available
Viscosity, dynamic:	: No data available
Explosive properties:	: No data available
Oxidizing properties:	: No data available
Explosive limits:	: No data available

9.2 Other information

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

No additional information available

Safe under normal conditions

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

No additional information available

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

Brazing fumes / gases.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May cause harm to breast-fed children.
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

SECTION 12: Ecology information

12.1 toxicity

Ecology - general: Not established

Ecology- Water: Not established

12.2 Persistence and degradability

Persistence and degradability: Not established

12.3 Bioaccumulative potential

Bioaccumulative potential: Not established

12.4 Mobility in soil

Ecology - Soil: Not established

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

Other adverse effects: None known
Additional information: No other effects known

SECTION 13: Disposal consideration

13.1 Waste treatment methods

Regional legislation (waste): Disposal must be done according to official regulations
Waste treatment methods: Dispose of contents/container in accordance with licensed collectors sorting instructions
Waste disposal recommendations: Dispose of contents/container to a hazardous or special waste facility.

SECTION 14: Transport information**In accordance with ADR / RID / IMDG / IATA / ADN****14.1 UN number**

UN-No. (ADR)	Not applicable
UN-No. (IMDG)	Not applicable
UN-No. (IATA)	Not applicable
UN-No. (ADN)	Not applicable
UN-No. (RID)	Not applicable

14.2 UN proper shipping name

Proper shipping name (ADR)	Not applicable
Proper shipping name (IMDG)	Not applicable
Proper shipping name. (IATA)	Not applicable
Proper shipping name (ADN)	Not applicable
Proper shipping name (RID)	Not applicable

14.3 Transport hazard class(es)

ADR	
Transport hazard class(es)	Not Applicable
IMDG	
Transport hazard class(es)	Not Applicable
IATA	
Transport hazard class(es)	Not Applicable
ADN	
Transport hazard class(es)	Not Applicable
RID	
Transport hazard class(es)	Not Applicable

14.4 Packing group

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

14.5 Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance**

15.1.1 EU-regulations

No REACH Annex XVII restrictions. Contains no substance on the REACH candidate list

15.1.2 National regulations

No additional information available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of R-, H- and EUH-statements:

Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Lact.	Reproductive toxicity, Additional category, Effects on or via lactation
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H319	Causes serious eye irritation
H362	May cause harm to breast-fed children
H372	Causes damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects
R20	Harmful by inhalation
R36	Irritating to eyes
R41	Risk of serious damage to eyes
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed
R48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R64	May cause harm to breastfed babies
T	Toxic
Xi	Irritant
Xn	Harmful

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

Please retain this sheet for your files. SolderWeld, Inc. maintains a file of Safety Data Sheets (SDS) for each rods and fluxes produced in compliance with Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) & 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 SolderWeld, Inc. at the time of issue. It is our policy to include an SDS with initial orders for each product. 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 SolderWeld, Inc., nor does SolderWeld, 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.