



# Safety Data Sheet

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name:	ALUMA-BRAZE™ All-In-One Flux Cored Aluminum Brazing Alloy
Product form:	Mixture
Type of product:	Alloy
Product group:	Trade product
Other means of identification:	ALUMINUM 05

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Main use category:	Professional use, Industrial use
Use of the substance/mixture:	Braze Wire + Flux
Use of the substance/mixture:	Welding and soldering products, flux products

### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Uniweld Products, Inc.  
2850 Ravenswood Road  
Ft. Lauderdale, FL 33312, USA  
800-323-2111 • 954-584-2000  
info@uniweld.com • www.uniweld.com

### 1.4. Emergency telephone number

Emergency number:	Global: +44 1865 407333 (NCEC) USA: +1 202 464 2554 (NCEC)
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## 2. Hazards identification

### 2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 1	H318
Specific target organ toxicity — Repeated exposure, Category 2	H373

Full text of H statements : see section 16

### 2.2. Label elements

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

##### Hazard pictograms (CLP)



Signal word (CLP):	Danger
Hazardous ingredients:	Cesium Tetrafluoro Aluminate

Hazard statements (CLP):	H318 - Causes serious eye damage. H373 - May cause damage to organs through prolonged or repeated exposure.
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Precautionary statements (CLP):	P260 - Do not breathe vapours, gas, fume, dust. P280 - Wear eye protection, protective clothing, protective gloves. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor.
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## 2.3. Other hazards

No additional information available

## 3. Composition/information on ingredients

### 3.1. Other hazards

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Aluminium (Al) substance with national workplace exposure limit(s) (GB)	(CAS-No.) 7429-90-5 (EC-No.) 231-072-3;231-072-3b (REACH-no) 01-2119529243-45-XXXX	< 30	Not classified
Cesium Tetrafluoro Aluminate	(CAS-No.) 138577-01-2 (EC-No.) 604-086-6 (REACH-no) 01-2120792839-30-XXXX	1 – 20	Eye Dam. 1, H318 STOT RE 2, H373
Copper (Cu) substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (GB)	(CAS-No.) 7440-50-8 (EC-No.) 231-159-6 (REACH-no) 01-2119480154-42-XXXX	< 1	Not classified
dichloromethane; methylene chloride substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (GB)	(CAS-No.) 75-09-2 (EC-No.) 200-838-9 (EC Index-No.) 602-004-00-3	< 0.1	Carc. 2, H351

## 4. First aid measures

### 4.1. Description of first aid measures

<b>First-aid measures general:</b>	Get medical advice/attention if you feel unwell.
<b>First-aid measures after inhalation:</b>	Remove person to fresh air and keep comfortable for breathing.
<b>First-aid measures after skin contact:</b>	Wash skin with plenty of water.
<b>First-aid measures after eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>First-aid measures after ingestion:</b>	Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Symptoms/effects:</b>	Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.
<b>Symptoms/effects after inhalation:</b>	May cause respiratory irritation.
<b>Symptoms/effects after skin contact:</b>	May cause irritation to skin.
<b>Symptoms/effects after eye contact:</b>	Serious damage to eyes.
<b>Symptoms/effects after ingestion:</b>	May cause irritation to the digestive tract.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Call a doctor.

## 5. Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media:</b>	Use extinguishing media appropriate for surrounding fire.
<b>Unsuitable extinguishing media:</b>	Do not use a heavy water stream.

## 5.2. Special hazards arising from the substance or mixture

Fire hazard:	Not flammable.
Explosion hazard:	No direct explosion hazard.
Reactivity in case of fire:	Not known.
Hazardous decomposition products in case of fire:	Toxic fumes may be released.

## 5.3. Advice for firefighters

Precautionary measures fire:	Exercise caution when fighting any chemical fire.
Firefighting instructions:	Fight fire with normal precautions from a reasonable distance.
Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures:	Avoid contact with skin and eyes.
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#### 6.1.1. For non-emergency personnel

Protective equipment:	Do not attempt to take action without suitable protective equipment. Refer to section 8.2.
Emergency procedures:	Ventilate spillage area. Do not breathe fume, dust. Avoid contact with skin and eyes.
Measures in case of dust release:	Where excessive dust may result, use approved respiratory protection equipment.

#### 6.1.2. For emergency responders

Protective equipment:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures:	Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment

### 6.3. Methods and material for containment and cleaning up

For containment:	Collect spillage.
Methods for cleaning up:	Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information:	Dispose of materials or solid residues at an authorized site.

### 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 to section 13 : "Disposal considerations".
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## 7. Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed:	If dusts of this product are generated, avoid inhalation, skin and eye contact.
Precautions for safe handling:	Ensure good ventilation of the work station. Do not breathe vapours, gas, fume, dust. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

## 7.2. Conditions for safe storage, including any incompatibilities

<b>Technical measures:</b>	Does not require any specific or particular technical measures.
<b>Storage conditions:</b>	Store in a well-ventilated place. Keep cool.
<b>Incompatible materials:</b>	Strong acids. Strong bases. Strong oxidizing agents.
<b>Storage area:</b>	Store in a well-ventilated place.
<b>Packaging materials:</b>	Keep only in original container.

## 7.3. Specific end use(s)

No additional information available.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

<b>dichloromethane; methylene chloride (75-09-2)</b>		
United Kingdom	Local Name	Dichloromethane
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	353 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	706 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	200 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
<b>Aluminium (Al) (7429-90-5)</b>		
United Kingdom	Local Name	Aluminium
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> alkyl compounds, 2 mg/m <sup>3</sup> salts, soluble 10 mg/m <sup>3</sup> metal, inhalable dust 4 mg/m <sup>3</sup> metal, respirable dust
<b>Copper (Cu) (7440-50-8)</b>		
United Kingdom	Local Name	Copper
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> fume (as Cu) 1 mg/m <sup>3</sup> and compounds, dusts and mists (as Cu)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> and compounds, dusts and mists (as Cu)

### 8.2. Exposure controls

<b>Appropriate engineering controls:</b>	Ensure good ventilation of the work station.
<b>Personal protective equipment:</b>	Avoid all unnecessary exposure. PPE compliant to the recommended EN/ISO or equivalent standards should be selected.
<b>Materials for protective clothing:</b>	Wear suitable coveralls to prevent exposure to the skin.
<b>Hand protection:</b>	Protective gloves. When material is heated, wear thermal-insulated gloves to protect against burns.
<b>Eye protection:</b>	Chemical goggles or face shield.
<b>Skin and body protection:</b>	Wear suitable protective clothing.
<b>Respiratory protection:</b>	Wear appropriate mask. Where exposure through inhalation may occur from handling or use, respiratory protection equipment is required. Exposure limits for airborne contaminants must not be exceeded.
<b>Environmental exposure controls:</b>	Avoid release to the environment.

## **9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Physical state:</b>	Solid
<b>Appearance:</b>	Silver-gray alloy. Metallic wire, rod, strip
<b>Colour:</b>	Silver grey
<b>Odour:</b>	No data available
<b>Odour threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Relative evaporation rate (butylacetate=1):</b>	No data available
<b>Melting point:</b>	No data available
<b>Freezing point:</b>	Not applicable
<b>Boiling point:</b>	No data available
<b>Flash point:</b>	Not applicable
<b>Auto-ignition temperature:</b>	Not applicable
<b>Decomposition temperature:</b>	No data available
<b>Flammability (solid, gas):</b>	Non flammable
<b>Vapour pressure:</b>	No data available
<b>Relative vapour density at 20 °C:</b>	No data available
<b>Relative density:</b>	No data available
<b>Solubility:</b>	No data available
<b>Partition coefficient n-octanol/water (Log Pow):</b>	No data available
<b>Viscosity, kinematic:</b>	Not applicable
<b>Viscosity, dynamic:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidising properties:</b>	No data available
<b>Explosive limits:</b>	Not applicable

### **9.2. Other information**

No additional information available.

## **10. Stability and reactivity**

### **10.1. Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

### **10.4. Conditions to avoid**

None under recommended storage and handling conditions (see section 7).

### **10.5. Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity:** Not classified

<b>dichloromethane; methylene chloride (75-09-2)</b>	
LD50 oral	2500 mg/kg bodyweight
<b>Cesium Tetrafluoro Aluminate (138577-01-2)</b>	
LD50 oral rat	≥ 2000 mg/kg
LD50 dermal rat	≥ 2000 mg/kg
<b>Copper (Cu) (7440-50-8)</b>	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: other: MAFF 4200 (1985)
LC50 inhalation rat (mg/l)	> 5.11 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Causes serious eye damage.

**Respiratory or skin sensitisation:** Not classified

**Germ cell mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive toxicity:** Not classified

**STOT-single exposure:** Not classified

**STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard:** Not classified

## 12. Ecological information

### 12.1. Toxicity

**Ecology - general:** The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

<b>dichloromethane; methylene chloride (75-09-2)</b>	
EC50 other aquatic organisms 1	244 mg/l waterflea

### 12.2. Persistence and degradability

No additional information available.

### 12.3. Bioaccumulative potential

<b>dichloromethane; methylene chloride (75-09-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.25

### 12.4. Mobility in soil

No additional information available.

### 12.5. Results of PBT and vPvB assessment

No additional information available.

### 12.6. Other adverse effects

No additional information available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

<b>Regional legislation (waste):</b>	Disposal must be done according to official regulations.
<b>Waste treatment methods:</b>	Dispose of contents/container in accordance with licensed collector's sorting instructions.
<b>Product/Packaging disposal recommendations:</b>	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. sorting instructions.
<b>Ecology - waste materials:</b>	Avoid release to the environment.

## 14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN number shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

<b>Overland transport</b>	Not applicable
<b>Transport by sea</b>	Not applicable
<b>Air transport</b>	Not applicable
<b>Inland waterway transport</b>	Not applicable
<b>Rail transport</b>	Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances.

#### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## 16. Other information

**Issue Date:** 12 - October - 2022

**Version #:** 01

**Disclaimer:** All information in this Safety Data Sheet is believed to be accurate and reliable. However, no guarantee or warranty of any kind is made with regards to the accuracy of information or the suitability of the recommendations contained herein. It is the user's responsibility to assess the safety and toxicity of this product under their own conditions of use and to comply with all applicable laws and regulations.

Full text of H- and EUH-statements:

Carc. 2	Carcinogenicity, Category 2.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1.
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2.
H318	Causes serious eye damage.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

SDS EU (REACH Annex II) - Llewellyn

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.