

SAFETY DATA SHEET

Item Code: N5020

Section 1.	Identification of the material and the supplier
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Item Code:	N5020
Product:	Ezi-Weld 602
Product Use:	A general purpose Silver Brazing Flux
New Zealand Supplier:	Realcold Ltd
Address:	9 Prescott Street Penrose, Auckland
Telephone:	09 526 5700
Fax Number:	09 526 5721
Emergency Telephone:	09 526 5700 0800 766 764 (National Poison Centre)
Manufacturer:	DLM Wallace
Date of MSDS Preparation:	14 March 2017- ver 2

Section 2.	Hazards Identification
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This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard Approval Code: Metal Industry Products (corrosive) – HSR0002609

Pictograms



Toxic



Chronic



Corrosive

HSNO Class.	Hazard Code	Hazard Statement	EU Risk Phrases
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6.1D (oral)	H302	Harmful if swallowed.	R22
6.9A (Single exposure)	H370	Causes damage to organs	R39
8.2B	H314	Causes severe skin burns and eye damage.	R34
8.3A	H318	Causes serious eye damage.	R41

Prevention Code	Prevention Statement
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P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use

P260	Do not breathe vapours
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye-face protection*.

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P363	Wash contaminated clothing before reuse.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301 + P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307 + P311	IF exposed: Call a POISON CENTER or doctor/physician.

Storage Code Storage Statement

P405	Store locked up.
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Potassium BiFluoride	30-60%	7789-29-9
Balance borates and other non		
Hazardous additives		

Section 4. First Aid Measures

Routes of Exposure:

- If in Eyes Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
- If on Skin Remove contaminated clothing and wash skin with warm soapy water. If irritation occurs seek medical advice.
- If Swallowed Rinse mouth with water. Give plenty of water or milk to drink and induce vomiting. Seek immediate medical assistance or contact the poison information centre.
- If Inhaled Remove person to fresh air. Get medical advice if breathing becomes difficult.

Advice to the doctor:
Treat symptomatically and as for fluorides/borates exposure

Section 5. Fire Fighting Measures

Hazard Type	Non combustible material.
Hazards from decomposition products	Fluorides may be given off in a fire
Suitable Extinguishing media	Use extinguishing media appropriate to surrounding fire
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus and protective clothing if risk of exposure to products of decomposition.
HAZCHEM CODE	2X

Section 6. Accidental Release Measures

Wear protective equipment. Contain and/or collect and seal in labeled drums. Dispose of according to local authorities regulations. Wash area down with copious quantities of water.

Section 7. Handling and Storage

Handling Wear protective eye gear and gloves. Do not eat or drink when handling. Wash hands thoroughly after handling.

Storage Store away from foodstuffs. Store in cool, dry place and keep containers closed.

Section 8 Exposure Controls / Personal Protection**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	CAS #	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Fluorides		2.5			

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls

Ensure ventilation is adequate so as to maintain air concentration below exposure standards. Avoid breathing fumes given off during brazing operations.

Personal Protection

Overalls, goggles, gloves and mask are recommended. Wash contaminated equipment before reusing. Always wash hands before smoking, eating, drinking or going to the toilet.

Section 9 Physical and Chemical Properties

Appearance	White Paste
Odour	None
Solubility	Partially soluble in water
Flash Point	N/A
Melting Point	approx. 450 °C
Lower & Upper Flammability Limits	N/A
Auto-ignition Temperature	N/A
Specific Gravity	1.5
Bulk Density	approx. 1.5 g/cc

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions
Hazardous Decomposition Products	Fluorides may be given off in a fire

Hazardous Reactions

Section 11 Toxicological Information

Potassium Bifluoride:

Cas No: 7789-29-9 Oral (rat) = LD50 160mg/kg

Health Effects:

Product is a mixture and is considered that it maybe toxic if swallowed. Symptoms of Fluoride overexposure may include salivation, nausea, vomiting, abdominal pain, fever and laboured breathing. This is not considered relevant to normal industrial use but emphasizes the need for care in handling and use.

If Swallowed:

May be fatal if swallowed, may cause irritation

If in eyes:

May cause irritation

If on skin:

May cause irritation

If inhaled:

May cause irritation of the respiratory tract. Symptoms may include sore throat, coughing, shortness of breath.

Section 12. Ecotoxicological Information

Not regarded as dangerous for the environment.

Section 13. Disposal Considerations

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand, dispose in licensed hazardous waste.

Section 14 Transport Information

Classified as a Dangerous Good for transport

Road and Rail Transport (in NZ ; NZS 5433:2007)

UN No:	2922
Class-primary	8
Packing Group	II
Proper Shipping Name:	Corrosive Liquid, Toxic, N.O.S (contains KHF ₂)
<u>Air Transport</u>	

UN No: 2922
Class-primary 8
Packing Group II
Proper Shipping Name: Corrosive Liquid, Toxic, N.O.S (contains KHF2)

Marine Transport

UN No: 2922
Class-primary 8
Packing Group II
Proper Shipping Name: Corrosive Liquid, Toxic, N.O.S (contains KHF2)

Section 15 Regulatory Information

ERMA Approval Code: Metal Industry Products (Corrosive) - HSR002609

HSNO Classification: 6.1D, 6.9A, 8.2B, 8.3A

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not applicable
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	250L/kg (8.2B)
Emergency Response Plan trigger Quantities	1000L/kg (8.2B)

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

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