



Safety Data Sheet

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CF 14KWS H722E-1

(according to Regulation (EC) No. 1907/2006)

SECTION 1: Identification of the mixture and of the company

1.1 Product identifier

Product name: CF 14KWS H722E-1
CAS-No: No data available
CE-No: No data available

1.2 Relevant identified uses of the mixture and uses advised against

Use of the mixture: Brazing paste

1.3 Details of the supplier of the safety data sheet

Manufacturer: HILDERBRAND & CIE S.A.
29, route de Jussy CH-1226 Thônex - Geneva - Switzerland
Telephone: +41 22 349 00 24
Fax: +41 22 349 02 81
E-mail: info@hilderbrand.ch

Distributor: No available data

1.4 Emergency telephone number

Hilderbrand & Cie SA	+41 22 349 00 24	Only available during office hours
Tox-Center (EU)	+41 44 251 51 51	Only available during office hours
Tox-Center (CH)	+41 44 251 66 66	Only available during office hours
Urgence (CH)	145	24/24h - 7/7day

SECTION 2: Hazards identification

2.1 Classification of the Mixture

* For full text of H-statements and P-statements: see section 16

Aquatic acute Cat.1
Aquatic chronic Cat. 1
Skin Sens. Cat. 1
Carc. Cat 2
STOT RE Cat.2

H317: May cause an allergic skin reaction
H351: Suspected of causing cancer
H373: May cause damage to organs through prolonged or repeated exposure
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long-lasting effects
EUH208: Contains Nickel. May produce an allergic reaction.



2.2 Label Elements

Pictograms:



GHS09



GHS08



GHS07

Signal words: Warning

H-Phrases:

H317: May cause an allergic skin reaction

H351: Suspected of causing cancer

H373: May cause damage to organs through prolonged or repeated exposure

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long-lasting effects

EUH208: Contains Nickel. May produce an allergic reaction.

P-Phrases:

P260: Do not breathe dust/fume/vapours.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P314: Get medical advice/attention if you feel unwell.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

2.3 Other hazards

No data available

SECTION 3: Composition / Information on ingredients

3.1 Substances

Not applicable

**3.2 Mixtures**

Formula	SVHC	CAS-No	REACH Reg.-No.	Classification	Concentration
Ag	-	7440-22-4	01-2119555669-21-xxxx	Aquatic Acute 1 (M =1)	>1 %
				Aquatic Chronic 1 (M =10)	
Cu	-	7440-50-8	01-2119480154-42-xxxx	Aquatic Acute 1 (M =1)	>1 %
				Aquatic Chronic 3	
Zn	-	7440-66-6	01-2119467174-37-xxxx	Aquatic Acute 1 (M =1)	>1 %
				Aquatic Chronic 1 (M =1)	
Ni	-	7440-02-0	Ni	Skin Sens. 1	>1 %
				Carc. 2	
				STOT RE 1	
H3BO3	Included in the SVHC candidate list according to Article 57 (c), Regulation (EC) 1907/2006	10043-35-3	01-2119486683-25-xxxx	Repr. Tox. 1B (C ≥ 5.5 %)	0.1 - 5.4 %

SECTION 4: First aid measures**4.1 Description of first aid measures****Inhalation of the fumes :**

Remove from contaminated area to fresh air and keep at rest

Skin contact :Wash immediately with plenty of water**Contact with eyes :**

Rinse immediately with plenty of water and soap and seek medical advice

Ingestion :

Seek medical advice immediately and show the packaging

4.2 Most important symptoms and effects, both acute and delayed

See Section 2.2 and 11

4.3 Indication of any immediate medical attention and special treatment needed



No data available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Wet blankets, carbon dioxide, sand, water

5.2 Special hazards arising from the mixture

During combustion: oxides of carbon, hydrofluoric gas

5.3 Advise for fire fighters

Wear self contained breathing apparatus if necessary

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes

6.2 Environmental precautions

Do not allow product to reach sewage system or water bodies

6.3 Methods and material for containment and cleaning up

Can be scraped-up with spatulas and put back into the original cartridges

Collect mechanically and disposal in suitable containers

Dispose of the material collected according to regulations

6.4 Reference to other sections

See Section 8 and Section 13



SECTION 7: Handling and storage

7.1 Precautions for safe handling

To be used in well ventilated areas and do not drop the packaging

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and dry place, away from food, drinks and animal foods

7.3 Specific end use(s)

none, this product must be used as described under section 1

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Formula	CAS-No	mg · m ⁻³	Exposure Limit
Ag	7440-22-4	0.10	VME
		0.80	VLE
Cu	7440-50-8	1.00	VME
		No data available	VLE
Zn	7440-66-6	0.10	VME
		0.40	VLE
Ni	7440-02-0	0.50	VME
		No data available	VLE
H3BO3	10043-35-3	10.00	VME
		10.00	VLE

8.2 Exposure controls

The brazing fumes of this mixture may be hazardous to health : avoid inhaling fumes during brazing

Make sure that the ventilation is adequate, by aspiration at each work bench and above the furnaces

Hand / Eye / Skin protection : no special protection required, as no contact with the mixture



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Apparence: The mixture is a viscous paste, without any specific odour

9.2 Other information

Important health, safety and environmental information :

pH-value :	Not applicable
Boiling range :	Not applicable (decomposition)
Fusion range :	see technical data sheet.
Decomposition Temp. :	approx. 400°C
Flash point :	approx. 300°C
Explosive properties :	None
Oxidising properties :	None
Vapour pressure :	Not applicable
Density :	> 1 g/cm ³
Solubility in water :	insoluble
Evaporation rate :	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur

10.4 Conditions to avoid

Do not throw the paste in the fire, do not drop the packaging

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

The mixture is stable at room temperature

At elevated temperatures the product may release hazardous substances
(see under section 5)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No data available

But some substances in the mixture may be hazardous to human health
(see under section 3.2)



SECTION 12: Ecological information

12.1 Toxicity

There is no ecological information available concerning the preparation, but some substances in the preparation may be hazardous to environment (see under section 3.2)

12.2 Persistence and degradability

The chemical is not readily biodegradable

12.3 Bioaccumulation potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assesement

No data available

12.6 Other information

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not empty into drains; dispose of this mixture and its container in a safe way

Disposal must always be done according to local regulations

SECTION 14: Transport information

14.1 UN number

ADR. IMG, IATA: not applicable

14.2 UN proper shipping name

ADR. IMG, IATA: not applicable

14.3 Transport hazard class(es)

ADR. IMG, IATA: not applicable

14.4 Packing group

ADR. IMG, IATA: not applicable

14.5 Environmental hazards

not applicable

14.6 Special precautions for user

not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

Classification & Labeling according to (CLP) regulation (EC) 1272/2008, regulation UN-GHS
Regulation (EC) 1907/2006

ADR 2013, IATA-DGR

Authorisations and/or restrictions on use:

Name	CAS-No
H3BO3	10043-35-3

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

Toxic for reproduction (article 57c)

15.2 Chemical Safety Assessment:

No data available

SECTION 16: Other information

16.1 List of relevant H Phrases used in Section 2

H317: May cause an allergic skin reaction

H351: Suspected of causing cancer

H373: May cause damage to organs through prolonged or repeated exposure

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long-lasting effects

EUH208: Contains Nickel. May produce an allergic reaction.

16.2 Further Information

Since we do not know the working conditions of the user, the data given in this material safety data sheet are based on the state of our knowledge and on national and EU-regulations. It remains the users responsibility to take all the required measures to comply with local laws and regulations.

This product must not be used for other purposes than mentioned in Section 1.2, without having received written instructions from us beforehand. The information given in this sheet must be regarded as a description of safety requirements in relation with our product. It is not a guarantee of its properties.