

MATERIAL SAFETY DATA SHEET

according to directive 91/155/EEC

Date of print : 10/08/2007

Nickel

CF 18KWS H722E-0 619922**Version 4 / 06/95**

without Cadmium, with flux, with

1) SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION**Identification of the preparation :**

Name : CF 18KWS H722-0
Braze paste containing flux and nickel.

Identification of the producer :

Company : Frits Pedersen A/S
Pakhus 47, 1. - Sundkaj 7
DK 2100 København Ø.
Denmark
Phone: +45351111
Fax: +45354344
E-mail: frits@frits.dk
Web: www.frits.dk

2) COMPOSITION/INFORMATION ON INGREDIENTS**Chemical characterisation :**Description :

The preparation is a mixture of a metallic powder with a flux and a binder.

Ingredients contributing to the hazards : acc. to 88/379/EEC

CAS N°	Designation	Percentage	Ident.	R - Phrase
14075-53-7	Potassiumfluoborate	max. 20 %	Xn	R22-36/37/38
7440-02-0	Nickel	max. 70%	Xn	R40-43

3) HAZARDS IDENTIFICATION

This product is classified : Xn harmful.

Beware ! Contains nickel. Parts brazed with this product, in contact with the skin may cause sensitization.

This product is destined for torch brazing (exceptionally also for brazing in a furnace under reducing atmosphere). The working area should be equipped with a suitable fume extraction system.

The product and its residues after brazing are corrosive.

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4) FIRST AID MEASURES

In case of inhalation :

Remove from contaminated area to fresh air. In case of sickness consult a physician.

In case of eye contact :

Wash thoroughly with water and call an ophthalmologist.

In case of skin contact :

Wash thoroughly with water and soap.

In case of ingestion :

Call a physician.

5) FIRE FIGHTING MEASURES

Suitable extinguishing media :

Wet blankets, carbon dioxide, sand, water.

Unsuitable extinguishing media :

None.

Special equipment for fire-fighters :

Respiration protection equipment.

6) ACCIDENTAL RELEASE MEASURES

Personal precautions :

Prevent skin and eye contact.

Environmental precautions :

Keep away from drains.

Methods for cleaning :

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

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7) HANDLING AND STORAGE

Handling :

To be used in well ventilated areas.

Fire prevention :

No particular precautions.

Recommended equipments and procedures :

No particular precautions necessary.

Equipments and procedures to be avoided :

Do not drop cartridges or pots.

Storage :

Store in a cool and dry place.

Do not store together with food.

8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical protective measures :

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

Exposure control limits :

CAS N°	Designation	MAK values
14075-53-7	Potassiumfluoborate	2.5mg/m ³ (USA)

Respiratory protection :

Avoid inhaling fumes or vapors.

Hand protection :

Avoid skin contact.

Eye protection :

Avoid eye contact.

Skin protection :

Avoid skin contact.

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9) PHYSICAL AND CHEMICAL PROPERTIES

Density :	may vary
Acid-base :	n.a.
Solubility in water :	insoluble
Vapour pressure :	n.a.
Physical form :	viscous paste
pH-value :	n.a.
Flash point :	approx. 300°C
Decomposition Temp. :	approx. 400°C
Fusion range :	acc. to documentation
Boiling range :	n.a.

10) STABILITY AND REACTIVITY

At elevated temperatures the product releases hazardous decomposition vapours such as hydrofluoric acid and carbon monoxide.

11) TOXICOLOGICAL INFORMATION

The fumes and vapours may cause allergic reactions of exposed persons. Skin contact with nickel containing items may cause sensitization.

12) ECOLOGICAL INFORMATION

Do not spill in drains.

13) DISPOSAL CONSIDERATIONS

Do not spill in drains.
Disposal must be done according to local regulations.

14) TRANSPORT INFORMATION

Not a dangerous product according to national and international regulations.

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15) REGULATORY INFORMATION

Classification : harmful
Contains : Potassiumfluoborate
Nickel

Particular risks attributed to the product and safety provisions :

Beware ! Skin contact with nickel containing items may cause sensitization.

R 40 : possible risks of irreversible effects
R 43 : may cause sensitization by skin contact
R 20/21/22 : harmful by inhalation, in contact with skin and if swallowed
R 36/37/38 : irritating to eyes, respiratory system and skin
S 23 : do not breath vapours/fumes
S 44 : in case of sickness consult a physician.

16) OTHER 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 EEC regulations.

The product must not be used for other purposes than mentioned in chapter 1, without having received written instructions from us beforehand.

It remains the users responsibility to take all the required measures to comply with local laws and regulations.

The informations 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.
