Material Safety Data Sheet
according to Regulation (EC) 1907/2006

Product name :
Revision : 20.04.2011 **Version :** 1.0.0
Print date : 09.09.2011

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

1.1 Product identifier
Beizpaste 4020 (CP5020)

1.2 Relevant identified uses of the substance or mixture and uses advised against
There are no data available on the product itself.

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier :
Street/P.O.Box :
Country code/Postal code/Town/City :
Telephone :
Telefax :
Contact :

1.4

2. Hazards identification

2.1 Classification of the substance or mixture
Directive 67/548/EEC or 1999/45/EC
Very toxic by inhalation, in contact with skin and if swallowed. · Causes severe burns.
T+ ; R 26/27/28 · C ; R 35 · Xi ; R 37
Regulation (EC) No 1272/2008 (GHS)
Fatal if swallowed. · Causes severe skin burns and eye damage.
Acute Tox. 1 ; H310 · Acute Tox. 1 ; H330 · Acute Tox. 2 ; H300 · Skin Corr. 1A ; H314 · STOT SE 3 ; H335

2.2 Label elements
Directive 67/548/EEC or 1999/45/EC
Danger symbol and danger designation


T+ ; Very toxic


C ; Corrosive

Hazard-determining components of labelling
NITRIC ACID 17 % ; CAS-No. : 7697-37-2
HYDROFLUORIC ACID 12 % ; CAS-No. : 7664-39-3

R-phrases

26/27/28	Very toxic by inhalation, in contact with skin and if swallowed.
35	Causes severe burns.
37	Irritating to respiratory system.

S-phrases

56	Dispose of this material and its container to hazardous or special waste collection point.

35	This material and its container must be disposed of in a safe way.
51	Use only in well-ventilated areas.
36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
27/28	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of ... (to be specified by the manufacturer).
63	In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Regulation (EC) No 1272/2008 (GHS)

Hazard pictograms

Skull and crossbones (GHS06) · Corrosion (GHS05)

Signal word

Danger

Hazard-determining components of labelling

NITRIC ACID 17 % ; CAS-No. : 7697-37-2
HYDROFLUORIC ACID 12 % ; CAS-No. : 7664-39-3

Hazard statements

H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.

Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P310	Immediately call a POISON CENTER or doctor/physician.
P320	Specific treatment is urgent (see ... on this label).
P403/233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to ...

2.3 Other hazards

None.

3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

NITRIC ACID ; EC-No. : 231-714-2; CAS-No. : 7697-37-2

Percentage :	15 - 20 %
Classification 67/548/EEC :	O ; R8 C ; R35
Classification 1272/2008 (GHS) :	Ox. Liq. 3 ; H272 Skin Corr. 1A ; H314

HYDROFLUORIC ACID ; EC-No. : 231-634-8; CAS-No. : 7664-39-3

Percentage :	10 - 15 %
Classification 67/548/EEC :	T+ ; R26/27/28 C ; R35
Classification 1272/2008 (GHS) :	Acute Tox. 2 ; H300 Acute Tox. 1 ; H310 Acute Tox. 2 ; H330 Skin Corr. 1A ; H314

For the wording of the listed risk phrases refer to section 16.

4. First aid measures

4.1 Description of first aid measures

General
In all cases of doubt, or when symptoms persist, seek medical attention.

After inhalation
Keep at rest. Irregular breathing/no breathing: artificial respiration. Unconsciousness: lateral position - call a physician.

After skin contact
Immediately remove all contaminated clothing.

After eye contact
Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion
Keep at rest. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed
None known.

4.3 Indication of any immediate medical attention and special treatment needed
None.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Alcohol resistant foam, CO2, powders, water spray.

5.2 Special hazards arising from the substance or mixture
None.

5.3 Advice for firefighters
Appropriate breathing apparatus may be required.

5.4 Additional information
Do not allow the quenching water into the sewage system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Provide for sufficient ventilation. Do not inhale the vapour.

6.2 Environmental precautions
Do not empty into drains.

6.3 Methods and material for containment and cleaning up
None.

6.4 Reference to other sections
None.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

Avoid contact with skin and eyes. Do not inhale the vapour. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers

Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

Storage class (VCI) : 6.1B

7.3 Specific end use(s)

None.

8. Exposure controls/personal protection

8.1 Control parameters

NITRIC ACID ; CAS-No. : 7697-37-2

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace (D)
Value : 1 ppm / 2,6 mg/m^3
Version date : 02.07.2009

Specification : Limit value (Short term) (EC)
Value : 1 ppm / 2,6 mg/m^3
Version date : 07.02.2006

HYDROFLUORIC ACID ; CAS-No. : 7664-39-3

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace (D)
Value : 1 ppm / 0,83 mg/m^3
Category : 2(I)
Remarks : H, Y
Version date : 02.07.2009

Specification : TRGS 903 - biological maximum limits (D)
Parameter : Fluoride / Urine (U) / before next shift
Value : 7 mg/g Kr
Version date : 31.03.2004

Specification : TRGS 903 - biological maximum limits (D)
Parameter : Fluoride / Urine (U) / End of exposure or end of shift
Value : 4 mg/g Kr
Version date : 31.03.2004

Specification : Limit value (Short term) (EC)
Value : 3 ppm / 2,5 mg/m^3
Version date : 08.06.2000

Specification : Limit value (8 hours) (EC)
Value : 1,8 ppm / 1,5 mg/m^3
Version date : 08.06.2000

8.2 Exposure controls

Personal protective equipment

General protective and hygiene measures

Wash hands before breaks and after work.

Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn.

Hand protection
Gloves, for example PVC at least 0,8 mm thick.

Eye protection
Use safety glasses.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Relevant safety data

Boiling point / range :	(1013 hPa)	>	120	°C
Flash point :			inapplicable	
Vapour pressure :	(50 °C)	<	1000	hPa
Density :	(20 °C)		1,3	g/cm^3

9.2 Other information
None.

10. Stability and reactivity

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

10.1 Reactivity
There are no data available on the product itself.

10.2 Chemical stability
There are no data available on the product itself.

10.3 Possibility of hazardous reactions
There are no data available on the product itself.

10.4 Conditions to avoid
Stable under recommended storage and handling conditions(See section 7).

10.5 Incompatible materials
There are no data available on the product itself.

10.6 Hazardous decomposition products
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

11.1 Information on toxicological effects

Primary irritant effect

Impact on the skin: burning, Impact on the eyes: burning

11.2 Experience on practice
In case of contact with the product: danger of resorption through the skin, irritation of skin/mucous membranes.

11.3 Additional toxicological information
The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

12.1 Toxicity
There are no data available on the product itself.

12.2 Persistence and degradability
There are no data available on the product itself.

12.3 Bioaccumulative potential
There are no data available on the product itself.

12.4 Mobility in soil
There are no data available on the product itself.

12.5 Results of PBT and vPvB assessment
There are no data available on the product itself.

12.6 Other adverse effects
There are no data available on the product itself.

12.7 Additional information
Do not empty into waters or drains.

13. Disposal considerations

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant.
Uncleaned packaging must be disposed of in the same manner as the medium.

13.1 Waste treatment methods
There are no data available on the product itself.

14. Transport information

14.1 UN number
2922

14.2 UN proper shipping name
ADR/RID
CORROSIVE LIQUID, TOXIC, N.O.S. (NITRIC ACID · HYDROFLUORIC ACID)
IMDG-Code
CORROSIVE LIQUID, TOXIC, N.O.S. (NITRIC ACID · HYDROFLUORIC ACID)
ICAO-TI / IATA-DGR
CORROSIVE LIQUID, TOXIC, N.O.S. (NITRIC ACID · HYDROFLUORIC ACID)

14.3 Transport hazard class(es)
ADR/RID

Class :	8
Classification-Code :	CT1
Kemlercode :	86
Tunnel restriction code :	E
Special provisions :	LQ22 · E 2
Label :	8 / 6.1

IMDG-Code

Class :	8
EmS number :	F-A / S-B
Special provisions :	LQ 1 l · E 2 · +
Label :	8 / 6.1

ICAO-TI / IATA-DGR

UN number : 8 / 6.1
Special provisions : E 2
Label : 8 / 6.1

14.4 Packing group
II

14.5 Environmental hazards
ADR/RID : -
IMDG-Code : -
ICAO-TI / IATA-DGR : -

14.6 Special precautions for user
None.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulatory information
Water pollution classification
Class : 2 according VwVwS

15.2 Chemical safety assessment
There are no data available on the product itself.

16. Other information

Further information
The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user´s working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

R-Phrases of components

26/27/28	Very toxic by inhalation, in contact with skin and if swallowed.
35	Causes severe burns.
37	Irritating to respiratory system.
8	Contact with combustible material may cause fire.

GHS Hazard statements of components

H272	May intensify fire; oxidiser.
H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.