1 Commercial product name and supplier

1.1 Commercial product name / Designation

High Fusing Bondal Flux

1.2 Application / Use

1.3 Producer

Ivoclar Vivadent, Inc.
175 Pineview Drive, Amherst NY 14228, USA

1.4 Supplier

Ivoclar Vivadent, Inc.
175 Pineview Drive, Amherst NY 14228, USA
2785 Skymark Ave., Unit 1 Mississauga, ON L4W4Y3, Canada

1.5 24 Hour Emergency Assistance

Emergency-Call USA: Infotrac: 1-800-535-5053
Emergency-Call Canada: Canutec: 1-613-996-6666

General MSDS Assistance

US: 1-800-533-6825
Canada: 1-800-263-8182

2 Composition

2.1 Chemical characterization

Paste of Boric acid, Water, Borate and Potassium bifluoride.

2.2 Hazardous components

CAS No. 7789-29-9

5 - 10 % Potassium hydrogendifluoride


2.3 Further information

3 Hazards identification

4 First aid measures

4.1 Eye contact

Flush eyes with plenty of water (10-15 min.). Call a physician if irritation persists.

4.2 Skin contact

Wash thoroughly with soap and water.
4.3 Ingestion
Rinse mouth with plenty of water.
Give large amounts of water. If you feel unwell, seek medical advice
(show this safety data sheet).

4.4 Inhalation
Take into fresh air.

4.5 Further information

5 Fire-fighting measures

5.1 Suitable extinguishing media
No specific requirements.
not combustible

5.2 Extinguishing media to avoid
None known

5.3 Flash point
not known

5.4 Ignition temperature
not known

5.5 Explosion limits
Lower:
Upper:
not known

5.6 Further information

6 Accidental release measures
Do not allow to flow off into the drains or waters.
Wash the area with soap and water.

7 Handling and storage

7.1 Handling
Only adequately trained personnel should handle this product.

7.2 Industrial hygiene
Usual hygienic measures are necessary.

7.3 Storage
No specific requirements.

7.4 Place of storage
Store in a well ventilated, cool, dry area.

7.5 Fire- and explosion-protection
not combustible

8 Exposure controls / Personal protection

8.1 Technical measures
No specific requirements.

8.2 Control of threshold limits
None established.

8.3 Personal protective equipment

8.3.1 Respiratory protection
When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.

8.3.2 Hand protection
Rubber gloves.
9 Physical and chemical properties

9.1 Appearance Paste
9.2 Colour white
9.3 Odour none
9.4 Change of physical state Test method:
   Boiling point
9.5 Density 1.51 g/cm³
9.6 Vapour pressure

9.7 Viscosity
   not determined
9.8 Solubility water soluble

9.9 pH
   not known
9.10 Further information

10 Stability and reactivity

10.1 Thermal decomposition None, if used in accordance to instructions.
10.2 Hazardous decomposition products During thermal decomposition, toxic and irritating gases/fumes may be released.
10.3 Hazardous reactions Strong acids.
10.4 Further information

11 Toxicological information

11.1 Acute toxicity
11.2 Subacute / Chronic toxicity

11.3 Further information

12 Ecological information
No data available.

13 Disposal considerations
Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

14 Transport information

14.1 Transport at land
ADR --- RID ---

UN Number --- Kemler Number ---
Packing Group ---
Proper shipping name ---

14.2 Transport at sea
ADNR --- IMDG ---

UN Number ---
EMS --- MFAG ---
Packing Group ---
Proper shipping name ---

14.3 Air transport
ICAO / IATA-DGR ---
UN Number ---
Proper shipping name ---
Subsidiary Risk ---
Labels ---
Packing Group ---
Passenger airplane
Packing Instructions ---
max. ---

Cargo Airplane
Packing Instructions ---
max. ---

14.4 Further information

15 Regulatory information

15.1 National regulations

15.2 NFPA Storage

15.3 Further information
The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.