

# Material Safety Data Sheet

High Fusing Bondal Flux



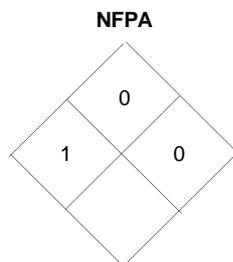
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Company Ivoclar Vivadent, Inc.  
175 Pineview Drive, Amherst NY 14228, USA

## 1 Commercial product name and supplier

1.1 Commercial product name / Designation **High Fusing Bondal Flux**



HMIS	
H	1
F	0
R	0
C	

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  
MSDS prepared by Andejeet Gulati. Tel. No. 716 691-0010

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  
T: Toxic. C: Corrosive. R25: Toxic if swallowed. R34: Causes burns.

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.

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- 
- 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 Test method:  
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.

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8.3.3 Eye protection Safety goggles

8.3.4 Other

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## 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/cm<sup>3</sup>

9.6 Vapour pressure

9.7 Viscosity

not determined

9.8 Solubility

water

soluble

9.9 pH

not known

9.10 Further information

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## 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

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## 11 Toxicological information

11.1 Acute toxicity

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11.2 Subacute / Chronic toxicity

11.3 Further information

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**12 Ecological information** No data available.

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

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## 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

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## 15 Regulatory information

15.1 National regulations

15.2 NFPA Storage

15.3 Further information

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## 16 Other information

Version: 2  
Changes: 1.5

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*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.*

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