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## SAFETY DATA SHEET

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International Standard

ISO 11014-1



Xi : irritant

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name :** BGA Gel fluxes IF 8300 series

IF 8300, IF 8300-4, IF 8300-6

**Manufacturer :** Interflux® Electronics NV

Eddastraat 51

BE - 9042 Gent

**Tel. Nr. :** ++32-9-251.49.59

**Fax nr. :** ++32-9-251.49.70

Collect call for emergency : ++1-703-527-3887 (Chemtrec)

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### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

The BGA Gel fluxes IF 8300 series are a preparation.

#### Chemical nature

#### Components contributing to the hazard :

<u>Materials</u>	<u>CAS N°</u>	<u>% Range</u>	<u>Hazard symbol &amp; R-Phrases</u>
1. Dehydroabietyl alcohol	13393-93-6	20-50%	/
2. Thermoplastic resins	/	15-20%	Xi , R43
3. Terpeneol	98-55-5	15-20%	Xi , R36/38
4. Proprietary ingredients	/	10-30%	Xi , R36

All other information is strict confidential and will only be given on request of a doctor or a medical department who is obligated to a total confidentiality.

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### 3. HAZARDS IDENTIFICATION

**Hazard designation :** Xi : irritant

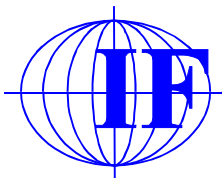
#### Specific hazards for humans and environment :

R 36/38 : Irritating to eyes and skin.

R 43 : May cause sensitisation by skin contact.

#### Physical and chemical hazard :

- Instability : The product is stable.
- Incompatibility : Strong oxidisers, open flame and/or sparks, aluminium metals, ammonium nitrate, chromic acid, peroxides.
- Decomposition : Incomplete combustion may yield carbon monoxide, carbon dioxide, aldehydes.



- Polymerisation : This product does not polymerise.

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#### 4. FIRST-AID MEASURES

- Inhalation** : If overcome by exposure, remove victim to fresh air immediately, if necessary give oxygen or artificial respiration. Obtain emergency medical attention.
- Skin contact** : Remove contaminated clothing and wash skin thoroughly with soap and water.
- Eye contact** : Immediately rinse with tempered water for 15 minutes retracting the eye lid several times. Obtain emergency medical attention.
- Ingestion** : Not a possible source of ingestion. If some of the product has been swallowed, give lukewarm water if the victim is conscious and alert. Do not induce vomiting. Obtain emergency medical attention.
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#### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media** : CO<sub>2</sub>, dry chemicals, water spray foams for alcohol.
- Protection of fire-fighters** : A SCBA mask is recommended when entering the fire area.
- Fire & explosion hazards** : The product is not a usual fire and explosion hazard.
- Special protective equipment for a fire** : Wear a respiratory mask.
- Flash point (T.O.C.)** : +134° to 160°C
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#### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Equip responders with proper protection.
- Environmental precautions** : Do not allow spill to spread to sewer or ground. Wash area thoroughly.
- Methods for cleaning up** : Scrape up spill. Wipe with rags. Disposal of waste rags in plastic container. Assure disposal of all waste generated by the spill complies with the Local , State and Federal Regulations.
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#### 7. HANDLING AND STORAGE

- Handling**
- Technical measures** : Store in original packaging. A good ventilation in the working area is always recommended. Store at room temperature.
- Precautions for safe handling** : General ventilation may be provided. Fume extraction should be provided.
- Storage**
- Technical measures** : Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition. Keep away from direct sunlight. No smoking. BGA Gel flux IF 8300 has a shelf life of 2 years when stored in original containers at ambient



temperatures.  
IF 8300-4, IF 8300-6 have a shelflife of 1 year.  
Avoid storage below temperatures of 5°C.

**Storage conditions** : Please refer to the above section “Technical Measures”.  
**Incompatibility of the product** : Not applicable.  
**Safe packaging materials** : Recommended by manufacturer.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures** : Refer to section 7.  
**Control parameters** : Treshold limit values (MAC) : Not established.

### Personal protective equipment

**Special instructions for protection and hygiene** : Industrial hygiene is always recommended. Wash the hands with water and soap after working.

**Respiratory protection** : At room temperature there is no or none airborne overexposure while dispensing.  
**Hand protection** : Protective gloves.  
**Eye protection** : Chemical splash goggles. Contact lenses must not be worn.  
**Skin and body protection** : If working in an area where skin may be affected, wear impermeable gloves and clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state** : Viscous, paste flux  
**Colour** : Light yellow  
**Odour** : Mildly sweet odour

**pH (based on a 5% aqueous solution)** : 3 (35% solution in IPA)  
**Flash Point (T.O.C)** : +134° to 160°C  
**Auto-ignition temperature** : >370°C  
**Melting point** : Not applicable.  
**Specific gravity at 20°C** : 1,013 g/ml – 1,032g/ml  
**Solubility in water** : Insoluble  
**Vapour pressure** : <1 mBAR (20°C)

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## 10. STABILITY AND REACTIVITY

**Stability** : Stable.  
**Hazardous reactions** : Not applicable.  
**Conditions to avoid** : Excessive heat, strong light. Temperatures below 5°C.  
**Materials to avoid** : Strong oxidizers, open flame and/or sparks, aluminium metals, ammonium nitrate, chromic acid, peroxides.  
**Hazardous decomposition products** : Incomplete combustion may yield carbon monoxide, carbon



dioxide, aldehydes.

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## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity :** Interflux® BGA Gel flux IF 8300 series are non-corrosive and non-toxic products.

**Other information on health effects:**

**Proprietary ingredient(s)**

*Risk effects on humans*

Inhalation : Slightly irritant.

Skin contact : Can cause irritation or sensitisation when prolonged contact.(R43)

Eye contact : Irritant.

**Chronic health effects :** Overexposure can be irritating to mucosal membranes.

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## 12. ECOLOGICAL INFORMATION

**General information :** WGK 1, weakly water pollutant. Slowly biodegradable.

The product is not harmful to aquatic organisms.

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## 13. DISPOSAL CONSIDERATIONS

**Product :** Recommendation : Must be disposed as a chemical disposal. The disposal must be carried out according to the Federal State and Local Regulations.

**Packaging :** Recommendation : Disposal must be done according to official regulations.

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## 14. TRANSPORT INFORMATION

**International regulations**

**Road & Rail Transport (ADR/RID) - Sea Transport (IMDG) - Air Transport (ICAO-TI/IATA-DGR) :** Non-dangerous goods.

**Proper shipping name :** Not applicable  
**Trade name :** BGA Gel flux IF 8300  
**Number of statistics :** 3810 9010

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## 15. REGULATORY INFORMATION

**Information on the warning label**

Xi : irritant

**R - phrases :** R36/38 : Irritating to eyes and skin.  
R43 : May cause sensitisation by skin contact.



**S - phrases :** S2: Keep out of the reach of children.  
S20/21 : When using, do not eat, drink or smoke.  
S24 : Avoid contact with skin.  
S36/37 : Wear suitable protective clothing and gloves.

**Other Legal Regulations**

**German water pollution risk (WGK) :** 1  
Small pollution risk of water environment.

**Substances that affect the ozone layer :** Substances that affect the ozone layer are not present in this preparation and are not used for its production.

**EINECS :** All ingredients have been registered.

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**16. OTHER INFORMATION**

Product information in other European languages can be obtained at *Interflux® Electronics NV, 9042 Gent*. Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability or the accuracy of this information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the suitability of each such product for their particular purposes. The products discussed are sold without such warranty, either expressed or implied.

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