

# MATERIAL SAFETY DATA SHEET

## Edition January 2012

**Product name** : *FIWA sealant*

### 1- IDENTIFICATION OF THE PRODUCT AND THE COMPANY

**Product name** : FIWA  
**Supplier** : BEELE Engineering BV, Beunkdijk 11, 7122 NZ AALTEN,  
The Netherlands  
**Telephone** : +31 (0)543 461629  
**Fax** : +31 (0)543 461786  
**E-mail** : info@beele.com

### 2- COMPOSITION / INFORMATION ON THE INGREDIENTS

**Chemical composition** : Mixture of polydimethylsiloxane, fire retardant fillers and crosslinker  
**Colour** : Grey  
**Hazardous components** : OXIMINOSILANE(S) (CAS: 2224-33-1 & 22984-54-9): < 5%  
-EEC Classification: Xi;R36  
3-AMINOPROPYLTRIETHOXYSILANE (CAS: 919-30-2): < 5%  
-EEC Classification: C; R22-34  
**Further information** : When exposed to air humidity release of:  
2-BUTANONE OXIME (CAS: 96-29-7): release during curing is 1,2% (max) of the  
pure silicone polymer; the release of the FIWA compound is 0.7% (max) due to  
the addition of fillers.  
EEC Classification: Xi;R36-43

### 3- HAZARDS IDENTIFICATION

**Human health effects** : May cause slight irritation to skin or eyes and an allergic reaction.  
**Environmental effects** : Does not present particular risk to the environment, provided the  
disposal (see section 13) is in accordance with national or local regulations.  
**Specific hazards** : According to EEC criteria, this product is not classified as a  
hazardous preparation.  
**Further information** : Smoke and toxicity tests acc. to Naval Engineering Standard are performed  
with positive results.

### 4- FIRST AID MEASURES

**Inhalation** : Affected person should be removed from the contaminated area into fresh air.  
**Skin contact** : Wipe off using a clean, soft, absorbent material.  
**Eye contact** : If substance has got into the eyes, immediately wash out with plenty of water  
until medical assistance is provided.  
Retract eyelids often. Consult a physician immediately.  
**Hygiene measures** : Exercise good industrial hygiene practice. Wash after handling,  
especially before eating

### 5- FIRE FIGHTING MEASURES

**Properties** : Combustible at temperatures above 400 °C.  
**Extinguishing media** : Foam, CO<sub>2</sub>, dry powder, water spray  
**Special exposure hazards** : In case of fire and/or explosion do not breathe fumes  
**Protective equipment** : Wear breathing apparatus

### 6- ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Avoid contact to the skin and eyes. Do not breathe vapours.  
Ventilate the spillage area mechanically.  
**Environmental precautions** : This product does not present a particular risk to the environment  
**Methods for cleaning** : Take up mechanically. Do not empty into drains.  
Transfer to a container for disposal.

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### 7- HANDLING AND STORAGE

**Handling** : Ventilation. Work in well-ventilated room.  
**Storage** : Store between 5 °C and 40 °C. No further specific measures necessary.  
**Packaging** : Polyethylene cartridges.  
**Further information** : The product cures under exposure to air humidity.

### 8- EXPOSURE CONTROL/PERSONAL PROTECTION

**Mechanically** : Ensure good ventilation of the work area.  
**Control parameters** : Limits (USA/ACGIH): 2-Butanone oxime: no specific limit.  
Proposed limits: 2-Butanone oxime: 3 ppm TWA and 10 ppm STE  
(measured <1ppm TWA)  
**Personal protection** : Wear protective clothing and chemical safety glasses.  
**Respiratory protection** : In the event of insufficient ventilation: respiratory protective device with a gas filter.  
**Hand protection** : Wear rubber gloves.  
**Eye protection** : Chemical safety glasses.  
**Skin protection** : Minimize skin contact.

### 9- PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : thixotropic paste  
**Odour** : ethereal, slight amine  
**Density at 23 °C** : 1.3 g/cm<sup>3</sup>  
**Softening point** : Not applicable  
**Melting point** : Not applicable  
**Flammability** : LOI index = 43%  
**Oxidizing properties** : Non-oxidizing material according to EEC criteria  
**Solubility** : Insoluble

### 10- STABILITY AND REACTIVITY

**Stability** : Stable under normal usage conditions  
**Conditions to avoid** : None known  
**Materials to avoid** : None known  
**Hazardous decomposition products** : In case of fire CO, CO<sub>2</sub>, oxides of silicone and oxides of nitrogen; during normal curing 2-butanone oxime and methanol vapours may be emitted.

### 11- TOXICOLOGICAL INFORMATION

**Acute toxicity** : 2-Butanone oxime: LC 50 inhalation (rat)/4 h: > 4.83 mg/l.  
**Human effects** : Repeated or prolonged contact may cause slight irritation to the skin.  
**Sensitisation** : Not a cutaneous skins sensitizer for guinea pigs, when tested in accordance with the Buehler method.  
**Carcinogenicity** : As far as we know, under normal conditions of use, this product will not present an exposure hazard to man.  
**Long term exposure** : No information available. Studies are carried out.

### 12- ECOLOGICAL INFORMATION

**Ecotoxicity** : Effects on the aquatic environment: LC 50 (fish: pimephales promelas)  
96 h: 844 mg/l for 2-Butanone oxime  
**Degradability** : Not biodegradable  
**Bioaccumulation** : Not bioaccumable  
**Solubility** : Insoluble

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### 13- DISPOSAL CONSIDERATIONS

: Dispose in accordance with local and national regulations

### 14- TRANSPORT INFORMATION

**General** : Not Classified as Hazardous for Transport  
**Land** : Rail/road (RID/ADR): not restricted  
**Sea** : (IMO/IMDG): not restricted  
**Air** : (ICAO-IATA): not restricted  
**Note** : It is advisable to check the validity of the above due to possible evolution of transport regulations

### 15- REGULATORY INFORMATION

**Classification** : Not irritant  
**Risk Phrases** : Not applicable  
**Safety Phrases** : Not applicable

### 16- OTHER INFORMATION

**Other information** : This data sheet was prepared in accordance with Directive 91/155/EEG.  
The information given is based on our knowledge of the product at the time of publication. It is given in good faith.