

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

**- 1.1 Product identifier**

- Trade name: **TB 1215**

**- 1.2 Relevant identified uses of the substance or mixture and uses advised against**

**- Application of the substance**

/ the preparation **Silicate sealing**

**- 1.3 Details of the supplier of the safety data sheet**

- Manufacturer/Supplier: **THREE BOND EUROPE S.A.S** TEL : 33 (0)1 34 32 39 60  
 B.P 9105  
 95073 CERGY PONTOISE FAX : 33 (0)1 34 32 39 61  
 FRANCE

- Information department: **Three Bond Europe H&S department : msds@threebond.fr**  
 Site : <http://quickfds.com>

**- 1.4 Emergency telephone**

**number:**

ORFILA (France) - Tel : +33 (0)1 45 42 59 59 (24h)  
 Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)  
 EU Tel : 112

### SECTION 2: Hazards identification

**- 2.1 Classification of the substance or mixture**

**- Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.  
 Skin Sens. 1 H317 May cause an allergic skin reaction.

**- Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R40: Limited evidence of a carcinogenic effect.



Xi; Irritant

R36: Irritating to eyes.



Xi; Sensitising

R43: May cause sensitisation by skin contact.

**- Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**- Classification system:**

The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

**- 2.2 Label elements**

**- Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals  
 The product has been marked in accordance with EU Directives / respective national laws.

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**- Code letter and hazard designation of product:**


Xn Harmful

**- Hazard-determining components of labelling:**

 2-Butanone, O,O',O''-(ethenylsilyldiyl)trioxime  
 butan-2-one O,O',O''-(methylsilyldiyl)trioxime  
 2-butanone oxime

**- Risk phrases:**

 36 Irritating to eyes.  
 40 Limited evidence of a carcinogenic effect.  
 43 May cause sensitisation by skin contact.

**- Safety phrases:**

 23 Do not breathe vapour.  
 24 Avoid contact with skin.  
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 28 After contact with skin, wash immediately with plenty of soap and water.  
 36/37 Wear suitable protective clothing and gloves.  
 60 This material and its container must be disposed of as hazardous waste.

**- Special labelling of certain preparations:**

Liberates butanone-oxime (MEKO) on exposure to humid air.

**- 2.3 Other hazards**
**- Results of PBT and vPvB assessment**
**- PBT:** Not applicable.

**- vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**- 3.2 Mixtures**
**- Description:**

Mixture of the substances listed below with nonhazardous additions.

**- Dangerous components:**

(\*\*) During curing, oxime type silicones gradually release butano-oxime (MEKO) when exposed to humid air. Although not included in the formula, this by-product which results from a secondary reaction, represents over 1% of silicone volume.

CAS: 2224-33-1 EINECS: 218-747-8	2-Butanone, O,O',O''-(ethenylsilyldiyl)trioxime Xi R38-41;  Xi R43 Eye Dam. 1, H318;  Skin Irrit. 2, H315;  Skin Sens. 1, H317	< 5%
CAS: 22984-54-9 EINECS: 245-366-4	butan-2-one O,O',O''-(methylsilyldiyl)trioxime Xi R36/38;  Xi R43 Skin Irrit. 2, H315;  Eye Irrit. 2, H319;  Skin Sens. 1, H317	< 3%
CAS: 96-29-7 EINECS: 202-496-6	2-butanone oxime Xn R21-40;  Xi R41;  Xi R43 Carc. Cat. 3 Carc. 2, H351;  Eye Dam. 1, H318;  Acute Tox. 4, H312; Skin Sens. 1, H317	(**)%

**- Additional information**

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

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### SECTION 4: First aid measures

#### - 4.1 Description of first aid measures

- **After inhalation** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.  
A person vomiting while lying on their back should be turned onto their side.

#### - 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### - 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### SECTION 5: Firefighting measures

#### - 5.1 Extinguishing media

- **Suitable extinguishing agents** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

#### - 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

#### - 5.3 Advice for firefighters

##### - Protective equipment:

Mount respiratory protective device.

##### - Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

#### - 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources  
Particular danger of slipping on leaked/spilled product.  
Ensure adequate ventilation  
Wear protective clothing.

#### - 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

#### - 6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Absorb liquid components with liquid-binding material.

#### - 6.4 Reference to other sections

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** *Ensure good ventilation/exhaustion at the workplace.*
- **Information about protection against explosions and fires:** *No special measures required.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** *Store in a cool location.  
Use only receptacles specifically permitted for this substance/product.*
- **Information about storage in one common storage facility:** *Store away from water.*
- **Further information about storage conditions:** *Protect from heat and direct sunlight.  
Protect from humidity and water.  
Keep receptacle tightly sealed.*
- **7.3 Specific end use(s)** *No further relevant information available.*

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** *No further data; see item 7.*
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:** *The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
- **Additional information:** *The lists that were valid during the creation were used as basis.*
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** *Avoid close or long term contact with the skin.  
The usual precautionary measures should be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.*
- **Breathing equipment:** *Use suitable respiratory protective device in case of insufficient ventilation.*
- **Protection of hands:** *Protective gloves.  
Nitrile, latex  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*
- **Material of gloves** *The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.*
- **Penetration time of glove material** *The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:** *Safety glasses*

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- **Body protection:** Protective work clothing.

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### SECTION 9: Physical and chemical properties

#### - 9.1 Information on basic physical and chemical properties

##### - General Information

##### - Appearance:

Form: Pasty  
Colour: Grey  
- Odour: Characteristic

- pH-value: Not applicable.

##### - Change in condition

Melting point/Melting range: undetermined  
Boiling point/Boiling range: Not applicable

- Flash point: Not applicable

- Self igniting: Product is not selfigniting.

- Danger of explosion: Product does not present an explosion hazard.

- Vapour pressure: Not applicable.

- Density at 25°C: 1.55 g/cm<sup>3</sup>

##### - Solubility in / Miscibility with

Water: Insoluble

- 9.2 Other information: No further relevant information available.

### SECTION 10: Stability and reactivity

#### - 10.1 Reactivity

#### - 10.2 Chemical stability

#### - Thermal decomposition /

conditions to be avoided: No decomposition if used according to specifications.

#### - 10.3 Possibility of hazardous reactions

Reacts with humid air

#### - 10.4 Conditions to avoid

No further relevant information available.

#### - 10.5 Incompatible materials:

No further relevant information available.

#### - 10.6 Hazardous

##### decomposition products:

gases/vapours (MEKO)

Liberates butanone-oxime (MEKO) on exposure to humid air.

### SECTION 11: Toxicological information

#### - 11.1 Information on toxicological effects

##### - Acute toxicity:

##### - LD/LC50 values that are relevant for classification:

##### 96-29-7 2-butanone oxime

Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50/4 h	20 mg/l (rat)

##### - Primary irritant effect:

- on the skin: No irritant effect.

- on the eye: Irritating effect.

- Sensitization: Sensitization possible through skin contact.

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**- Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  Must be specially treated adhering to official regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Alcohol

### SECTION 14: Transport information

- |  |                 |
|--|-----------------|
| - <b>14.1 UN-Number</b>                    |                 |
| - <b>ADR, ADN, IMDG, IATA</b>              | Void            |
| - <b>14.2 UN proper shipping name</b>      |                 |
| - <b>ADR, ADN, IMDG, IATA</b>              | Void            |
| - <b>14.3 Transport hazard class(es)</b>   |                 |
| - <b>ADR, ADN, IMDG, IATA</b>              |                 |
| - <b>Class</b>                             | Void            |
| - <b>14.4 Packing group</b>                |                 |
| - <b>ADR, IMDG, IATA</b>                   | Void            |
| - <b>14.5 Environmental hazards:</b>       |                 |
| - <b>Marine pollutant:</b>                 | No              |
| - <b>14.6 Special precautions for user</b> | Not applicable. |

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- <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
- <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
- <b>UN "Model Regulation":</b>	-

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:** Generally not hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**
  - H312 Harmful in contact with skin.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H351 Suspected of causing cancer.
  - R21 Harmful in contact with skin.
  - R36/38 Irritating to eyes and skin.
  - R38 Irritating to skin.
  - R40 Limited evidence of a carcinogenic effect.
  - R41 Risk of serious damage to eyes.
  - R43 May cause sensitisation by skin contact.
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - ICAO: International Civil Aviation Organization
  - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent

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