1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

1.1 Product Identifier

Product name: A802/A803/A805 Altro Sanitary Sealant

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

Product type/use: Construction Sealant – professional use

1.3 Details of the supplier of the safety data sheet

Company Name: ALTRO LTD

WORKS ROAD

LETCWORTH GARDEN CITY

HERTS

SG6 1NW

Telephone: +44 (0) 1462 480480

Fax: +44 (0) 1462 480010

Email: SDS@altro.com

1.4. Emergency telephone number

Telephone: +44 (0) 1462 489269

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP): Not classified

2.2. Label elements

EUH Phrases

EUH208 - Contains Methyl tris-(methyl ethyl ketoximo) silane, Tetrakis(methylethylketoximino)silane, 3-aminopropyltriethoxysilane, 3-(2-aminoethylamino)propyltrimethoxysilane. May produce an allergic reaction

EUH210 - Safety data sheet available on request

2.3. Other hazards

PBT: This substance / mixture does not meet the PBT criteria of REACH regulation, annex XIII

vPvB: This substance / mixture does not meet the vPvB criteria of REACH regulation, annex XIII

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification according to Directive 67/548/EEC</th>
<th>Classification according to Regulation (EC) No 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tris-(methyl ethyl ketoximo) silane</td>
<td>(CAS No) 22984-54-9 (EC no) 245-366-4</td>
<td>1 – 5</td>
<td>Xi; R36/38 R43</td>
<td>Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373</td>
</tr>
</tbody>
</table>

Specific Concentration Limits

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>Specific Concentration limits: DSD / DPD</th>
<th>Specific Concentration limits: CLP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tris-(methyl ethyl ketoximo) silane</td>
<td>(CAS No) 22984-54-9 (EC no) 245-366-4</td>
<td>(C ≥ 3,755) R43</td>
<td>(C ≥ 3,755) Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

Full text of R- and H-phrases see section 16

4. FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact: Wash skin with mild soap and water

Eye contact: Rinse immediately with plenty of water. If eye irritation persists, seek medical advice/attention.

Ingestion: Rinse mouth.

Inhalation: Move victim to breathe fresh air.
4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** Not expected to present a significant skin hazard under anticipated conditions of normal use

**Eye contact:** Direct contact with the eyes is likely to be slightly irritating

**Ingestion:** Not expected to present a significant ingestion hazard under anticipated conditions of normal use

**Inhalation:** Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** No additional information available

5. **FIRE FIGHTING MEASURES**

5.1. Extinguishing media

**Extinguishing media:** All extinguishing media allowed

5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Not flammable

5.3. Advice for fire-fighters

**Advice for fire-fighters:** No additional information available

6. **ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:**
- For non-emergency personnel: No additional information available
- For emergency responders: Equip cleanup crew with proper protection. Wear respiratory protection.

6.2. Environmental precautions

**Environmental precautions:** No additional information available

6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** On land, sweep or shovel into suitable containers.

6.4. Reference to other sections

**Reference to other sections:** No additional information available

7. **HANDLING AND STORAGE**

7.1. Precautions for safe handling

**Handling requirements:**
- Avoid any direct contact with the product.
- 5 – 40 °C
- Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in dry, well-ventilated area.

**Maximum storage period:** 12 months

**Storage temperature:** 5 – 25 °C

7.3. Specific end use(s)

**Specific end use(s):** No additional information available

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

8.1. Control parameters

**Workplace exposure limits:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Workplace Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetramethyloctylsilicate (681-84-5)</td>
<td>United Kingdom: WEL TWA 6.3 mgm⁻³ / 1 ppm</td>
</tr>
<tr>
<td></td>
<td>United Kingdom: WEL STEL 32 mgm⁻³ / 5 ppm</td>
</tr>
<tr>
<td>Titanium Dioxide (13463-67-7)</td>
<td>United Kingdom: WEL TWA 10 mgm⁻³ inhalable dust</td>
</tr>
<tr>
<td></td>
<td>4 mgm⁻³ respirable dust</td>
</tr>
</tbody>
</table>

Altro, Works Road, Letchworth Garden City, Hertfordshire SG6 1NW
Tel: +44 (0) 1462 480480  Fax: +44 (0) 1462 480010  e-mail: info@altro.com  www.altro.com
A division of Altro Limited. Registered office, Works Road, Letchworth Garden City, Hertfordshire SG6 1NW. Registered in England No. 00154159
**SAFETY DATA SHEET**

**A802/A803/A805 Altro Sanitary Sealant**

**Revision No:** 5.1  
**Revision Date:** 30th August 2016  
**Compilation Date:** 5th August 2016

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**Silica (7631-86-9 / 112945-52-5)**

<table>
<thead>
<tr>
<th>Country</th>
<th>United Kingdom</th>
<th>EU</th>
<th>Methanol (67-56-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>WEL TWA</td>
<td>EU</td>
<td>JOELV TWA</td>
</tr>
<tr>
<td></td>
<td>6 mgm⁻³ inhalable dust</td>
<td>Skin</td>
<td>260 mgm⁻³ / 200 ppm</td>
</tr>
<tr>
<td></td>
<td>2.4 mgm⁻³ respirable dust</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**United Kingdom**  
**WEL TWA**  
**EU**  
**Skin**

**Methanol (67-56-1)**

| EU          | JOELV TWA | 260 mgm⁻³ / 200 ppm |

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**DNEL/PNEC Values**

**8.2. Exposure controls**

**Engineering measures:**
- No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation
- In case of prolonged or repeated contact wear gloves
- Safety Glasses
- No special clothing / skin protection equipment is recommended under normal conditions of use.

**Other Information:**  
Do not, eat, drink or smoke when using this product

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Paste</td>
</tr>
<tr>
<td>Colour</td>
<td>Various</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Oxidising</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point/ range°C</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point°C</td>
<td>No information available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.03 g/ml</td>
</tr>
</tbody>
</table>

**9.2. Other information**

**Other information:**  
No information available

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**10. STABILITY AND REACTIVITY**

**10.1. Reactivity**

| Reactivity                          | No additional information available |

**10.2. Chemical stability**

| Chemical stability                  | No additional information available |

**10.3. Possibility of hazardous reactions**

| Hazardous reactions                 | None under normal conditions       |

**10.4. Conditions to avoid**

| Conditions to avoid                  | No additional information available |

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SAFETY DATA SHEET
A802/A803/A805 Altro Sanitary Sealant

Materials to avoid: No additional information available

10.6. Hazardous decomposition products
Haz. decomp. products: None under normal conditions

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Toxicity values: Not acutely toxic

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)
LD50 oral rat: 2463 mg/kg (OECD 401 method)
LD50 dermal rat: > 2000 mg/kg (OECD 402 method)

Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)
NOAEL (chronic, oral, animal / male, 2 years) > 692.06 mg/kg bodyweight (OECD 414 method)
NOAEL (chronic, oral, animal / female, 2 years) > 230.69 mg/kg bodyweight (OECD 416 method)

Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)
NOAEL (oral, rat, 90 days) 29 mg/kg bodyweight/day (OECD 408 method)

Aspiration hazard: Not classified

12. ECOLOGICAL INFORMATION

12.1. Toxicity
Ecotoxicity values:

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)
LC50 fishes 1 96h > 120 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 1 48h 231.84 mg/l (OECD 202 method)
EC50 other aquatic organisms 1 72h 18.45 mg/l (OECD 201 method)
LC50 fish 2 96h 972.34 mg/l (OECD 203 method)
ErC50 (algae) 72h 94 mg/l Pseudokirchneriella subcapitata
NOEC (acute) 57.67 mg/l (OECD 204 method)
NOEC (chronic) ≥ 115.34 mg/l (OECD 211 method)

12.2. Persistence and degradability
Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)
Bidegradation 28% 20% (OECD 301C method)

12.3. Bioaccumulative potential
Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)
Log Pow 9.83

12.4. Mobility in soil
Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)
Log Koc 5.481 EPA (Environmental Protection Agency)

12.5. Results of PBT and vPvB assessment
A802/A803/A805 Altro Sanitary Sealant
This substance / mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance / mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects
Other adverse effects: No additional information available
13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal operations: Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

14.1 UN number: Not regulated for transport

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.4 Packing group: Not applicable

14.5 Environmental hazards

Dangerous for the environment: No

14.6 Special precautions for user

14.6.1 Overland transport: No data available

14.6.2 Transport by sea: Not applicable

14.6.3 Air transport: Not applicable

14.6.4 Inland waterway transport: Not applicable

14.6.5 Rail transport: Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU Regulations

Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2 National regulations

No additional information available

15.2. Chemical Safety Assessment

16. OTHER INFORMATION

Other information

Eye Irrit, 2: Serious eye damage / eye irritation, category 2
Skin Sens. 1: Sensitisation – Skin, category 1
STOT RE 2: Specific target organ toxicity – Repeated exposure, category 2
H317: May cause an allergic skin reaction
H319: Causes serious eye damage
H373: May cause damage to organs through prolonged or repeated exposure
EUH20: Contains. May produce an allergic reaction
EUH210: Safety data sheet available on request
R36/38: Irritating to skin and eyes
R43: May cause sensitisation by skin contact
Xn: Irritant

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.