

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.08.2016

Revision: 19.08.2016

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

- **1.1 Product identifier**
- **Trade name: MS POLYMER SEAM SEALER**
- **Article number: T3501, T3502, T3503**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **1.2.1 Relevant identified uses**
- **Sector of Use**
 - SU3 Industrial uses: uses of substances as such or in preparations at industrial sites
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category PC1 Adhesives, sealants**
- **Process category**
 - PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises
- **Environmental release category ERC5 Industrial use resulting in inclusion into or onto a matrix**
- **Application of the substance / the preparation : sealant**
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 - INTERNATIONAL APPLICATIONS LIMITED
 - 18 WILDMERE ROAD
 - WILDMERE INDUSTRIAL ESTATE
 - BANBURY
 - OXFORDSHIRE
 - Phone: +44 (0) 1295 274004
 - Fax : +44 (0) 1295 408083
 - Email:sales@international-applications.com
 - .
- **1.4 Emergency telephone number: +44 (0) 1295 274004**

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 - Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
 - The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**
 - H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
 - P501 Dispose of contents and container in accordance with local regulations.
- **Advised precautionary statements P273** Avoid release to the environment.
- **Additional information :**
 - Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, dioctyltinbis(acetylacetonate). May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 2)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.08.2016

Revision: 19.08.2016

Trade name: MS POLYMER SEAM SEALER

(Contd. of page 1)

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**· **Description:** Sealant· **Dangerous components:**

CAS: 26761-40-0 EINECS: 247-977-1 Reg.nr.: 01-2119422347-43	diisodecyl phthalate substance with a Community workplace exposure limit	5-15%
CAS: 65997-17-3	oxydes de verre substance with a Community workplace exposure limit	< 10%
CAS: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17	titanium dioxide substance with a Community workplace exposure limit	< 5%
CAS: 2768-02-7 EINECS: 220-449-8 Reg.nr.: 01-2119513215-52	trimethoxyvinylsilane ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332	< 2.5%
CAS: 1333-86-4 EINECS: 215-609-9 Reg.nr.: 01-2119384822-32	carbon black substance with a Community workplace exposure limit	< 2%
CAS: 1760-24-3 EINECS: 217-164-6 Reg.nr.: 01-2119970215-39	N-(3-(trimethoxysilyl)propyl)ethylenediamine ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H332; ⚠ Skin Sens. 1, H317	< 1%
CAS: 1305-78-8 EINECS: 215-138-9 Reg.nr.: 01-2119475325-36	calcium oxide ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	< 1%
CAS: 54068-28-9 Reg.nr.: 01-0000020199-67	dioctyltinbis(acetylacetonate) ⚠ STOT SE 2, H371; ⚠ Skin Sens. 1, H317	< 1%
CAS: 28553-12-0 EINECS: 249-079-5	diisononyl phthalate substance with a Community workplace exposure limit	< 0.5%
CAS: 1305-62-0 EINECS: 215-137-3 Reg.nr.: 01-2119475151-45	calcium dihydroxide ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	< 0.5%
CAS: 63843-89-0 EINECS: 264-513-3 Reg.nr.: 01-2119978231-37	bis(1,2,2,6,6-pentamethyl-4-piperidyl) [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]butylmalonate ⚠ STOT RE 1, H372; ⚠ Aquatic Chronic 1, H410	< 0.1%

· **Additional information :** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**· **General information** No special measures required.· **After inhalation** Seek medical treatment in case of complaints.· **After skin contact** Wash with water and soap.· **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing** Call for a doctor immediately.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.08.2016

Revision: 19.08.2016

Trade name: MS POLYMER SEAM SEALER

(Contd. of page 2)

- **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** CO₂, extinguishing powder or water spray.
- **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
Ensure adequate ventilation.
- **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:** Pick up mechanically.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
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:**
Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in a cool place.
Store in dry conditions.
- **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:**

26761-40-0 diisodecyl phthalate	
WEL	Long-term value: 5 mg/m ³

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.08.2016

Revision: 19.08.2016

Trade name: MS POLYMER SEAM SEALER

(Contd. of page 3)

65997-17-3 oxydes de verre	
TWA	Long-term value: 10 mg/m ³
VME	Long-term value: 10 mg/m ³
13463-67-7 titanium dioxide	
WEL	Long-term value: 10* 4** mg/m ³ *total inhalable **respirable
1309-37-1 diiron trioxide	
WEL	Short-term value: 10* mg/m ³ Long-term value: 5* 10** 4*** mg/m ³ *fume (as Fe), **total respirable, ***respirable
2768-02-7 trimethoxyvinylsilane	
DNEL	Short-term value: 59 mg/m ³ Long-term value: 59 mg/m ³
1333-86-4 carbon black	
WEL	Short-term value: 7 mg/m ³ Long-term value: 3.5 mg/m ³
1305-78-8 calcium oxide	
WEL	Long-term value: 2 mg/m ³
28553-12-0 diisononyl phthalate	
WEL	Long-term value: 5 mg/m ³
1305-62-0 calcium dihydroxide	
WEL	Long-term value: 5 mg/m ³

· **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**

Wash hands before breaks and at the end of work.

The usual precautionary measures should be adhered to when handling chemicals.

Do not eat, drink, smoke while working.

· **Breathing equipment:** Not necessary if room is well-ventilated.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Eye protection:** Tightly sealed goggles.

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

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form:	Pasty
Colour:	Various colours
Odour:	Light

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.08.2016

Revision: 19.08.2016

Trade name: MS POLYMER SEAM SEALER

(Contd. of page 4)

· Change in condition Melting point/Melting range:	undetermined
Boiling point/Boiling range:	> 120 °C
· Flash point:	91 °C (ISO 3679)
· Self igniting:	Product is not selfigniting at room temperature.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible
· Explosion limits: Lower:	0.7 Vol %
Upper:	Not determined.
· Density at 20 °C:	1.34
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Viscosity: dynamic:	Not applicable.
· Solvent content: Organic solvents:	0 %
· 9.2 Other information	No further relevant information available.
· Volatile organic compounds (VOC) :	< 3 %

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Reacts with water forming traces of methanol.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

2768-02-7 trimethoxyvinylsilane

Oral	LD50	11 300 mg/kg (LAPIN)
Dermal	LD50	3 540 mg/kg (LAPIN)

- **Primary irritant effect:**
- **Skin corrosion/irritation** May be slightly irritant.
- **Serious eye damage/irritation** May be slightly irritant.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.08.2016

Revision: 19.08.2016

Trade name: MS POLYMER SEAM SEALER

(Contd. of page 5)

- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

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:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
- **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 disposed of in an incinerator for hazardous waste according to official regulations.
- **Waste disposal key:** 08 04 09*
- **Uncleaned packaging :**
- **Recommendation:**
Packaging that cannot be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

- | | |
|---|-----------------------|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, ADN, IMDG · IATA | Void
Not regulated |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Void |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: | No |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user | Not applicable. |

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.08.2016

Revision: 19.08.2016

Trade name: MS POLYMER SEAM SEALER

(Contd. of page 6)

- | | |
|--|-----------------|
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 52a, 52b
- **National regulations**
- **EMICODE EC 1Plus R**
- **French VOC regulation (decree n° 2011-321)** : Class A+
- **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.

This data sheet is particularly in accordance with the european regulations 1907/2006/EC, 1272/2008/EC and their amendments ; it is written according to annex II of the european regulation 830/2015/EC.

- **Relevant phrases**
- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H371 May cause damage to organs.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H410 Very toxic to aquatic life with long lasting effects.
- **Department issuing SDS:** Laboratory
- **Contact:** cf. § 1
- **Review :**
- An asterisk in the margin of a paragraph means amendments in comparison to the former version.
- **Abbreviations and acronyms:**
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organisation
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3

(Contd. on page 8)

GB

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(Contd. of page 7)

*Acute Tox. 4: Acute toxicity – Category 4**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Skin Sens. 1: Skin sensitisation – Category 1**STOT SE 2: Specific target organ toxicity (single exposure) – Category 2**STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

GB