# Infernoflex MS Fire Rated Hybrid Sealant

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)
Issue date: 9/26/2022 Revision date: 1/17/2024 Supersedes: 9/26/2022 Version: 2.0

## SECTION 1: Identification

### 1.1. GHS Product identifier

Product form : Mixture
Product name : Infernoflex MS Fire Rated Hybrid Sealant

### 1.2. Other means of identification

No additional information available

### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Sealants

### 1.4. Supplier's details

Simseal Pty Ltd
Unit 8/33-43 Meakin Road Meadowbrook
QLD, 4131
E: info@simseal.com.au
P: 1300 SILICONE

### 1.5. Emergency phone number

No additional information available

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

**Classification according to the United Nations GHS**

Hazardous to the aquatic environment – Chronic Hazard Not classified Calculation method

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

### 2.2. GHS Label elements, including precautionary statements

**Labelling according to the United Nations GHS**

No labelling applicable

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to the United Nations GHS |
|---|---|---|---|
| TRIMETHOXYVINYLSILANE | CAS-No.: 2768-02-7 | 0.1 – 1 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation), H332<br>Skin Sens. 1B, H317 |

| Name | Product identifier | % | Classification according to the United Nations GHS |
|---|---|---|---|
| N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE | CAS-No.: 1760-24-3 | 0.1 – 1 | Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT SE 3, H335 |
| DIBUTYLBIS(PENTANE-2,4-DIONATO-O,O')TIN | CAS-No.: 22673-19-4 | 0.1 – 1 | Skin Corr. 1A, H314<br>Repr. 1A, H360<br>STOT RE 1, H372<br>Aquatic Chronic 4, H413 |

Full text of H-statements: see section 16

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms/effects, acute and delayed

No additional information available

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

| | | |
|---|---|---|
| Precautions for safe handling | : | Ensure good ventilation of the work station. Wear personal protective equipment. |
| Hygiene measures | : | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

### 7.2. Conditions for safe storage, including any incompatibilities

| | | |
|---|---|---|
| Storage conditions | : | Store in a well-ventilated place. Keep cool. |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

| | | |
|---|---|---|
| Appropriate engineering controls | : | Ensure good ventilation of the work station. |
| Environmental exposure controls | : | Avoid release to the environment. |

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

| | | |
|---|---|---|
| Hand protection | : | Protective gloves |
| Eye protection | : | Safety glasses |
| Skin and body protection | : | Wear suitable protective clothing |
| Respiratory protection | : | In case of insufficient ventilation, wear suitable respiratory equipment |

**Personal protective equipment symbol(s)**

### 8.4. Exposure limit values for the other components

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Solid |
| Appearance | : | Paste |
| Colour | : | White. |
| Odour | : | characteristic. |
| Odour threshold | : | Not available |
| Melting point | : | Not available |
| Freezing point | : | Not applicable |
| Boiling point | : | Not available |
| Flammability | : | Non flammable. |
| Lower explosion limit | : | Not applicable |
| Upper explosion limit | : | Not applicable |
| Flash point | : | Not applicable |
| Auto-ignition temperature | : | Not applicable |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| pH solution | : | Not available |
| Viscosity, kinematic (calculated value) (40 °C) | : | Not applicable |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |

| | | |
|---|---|---|
| Vapour pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | ≈ 1.6 g/cm³ |
| Relative density | : | Not available |
| Relative vapour density at 20°C | : | Not applicable |
| Solubility | : | Not available |
| Particle size | : | Not available |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive limits : Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

| | | |
|---|---|---|
| Acute toxicity (oral) | : | Not classified |
| Acute toxicity (dermal) | : | Not classified |
| Acute toxicity (inhalation) | : | Not classified |

| N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE (1760-24-3) | |
|---|---|
| LD50 oral rat | 2295 mg/kg |
| LD50 dermal | 2000 mg/kg |

| | | |
|---|---|---|
| Skin corrosion/irritation | : | Not classified |
| Serious eye damage/irritation | : | Not classified |
| Respiratory or skin sensitisation | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |
| Reproductive toxicity | : | Not classified |
| STOT-single exposure | : | Not classified |

| N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE (1760-24-3) | |
|---|---|
| STOT-single exposure | May cause respiratory irritation. |

STOT-repeated exposure : Not classified

| DIBUTYLBIS(PENTANE-2,4-DIONATO-O,O')TIN (22673-19-4) | |
|---|---|
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |

Aspiration hazard : Not classified

| Infernoflex MS Fire Rated Hybrid Sealant | |
|---|---|
| Viscosity, kinematic | Not applicable |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified.

Classification procedure (Hazardous to the aquatic environment, long–term (chronic)) : Calculation method

### 12.2. Persistence and degradability

| Infernofles MS Fire Rated Hybrid Sealant | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| TRIMETHOXYVINYLSILANE (2768-02-7) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| N-(3-(TRIMETHOXYSILYL)PROPYL)ETHYLENEDIAMINE (1760-24-3) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

| DIBUTYLBIS(PENTANE-2,4-DIONATO-O,O')TIN (22673-19-4) | |
|---|---|
| Persistence and degradability | Not rapidly degradable |

### 12.3. Bioaccumulative potential

| Infernoflex MS Fire Rated Hybrid Sealant | |
|---|---|
| Bioaccumulative potential | No additional information available |

### 12.4. Mobility in soil

| Infernoflex MS Fire Rated Hybrid Sealant | |
|---|---|
| Mobility in soil | No additional information available |

### 12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

| UN RTDG | IMDG | IATA |
|---|---|---|
| **14.1. UN number** | | |
| Not applicable | Not applicable | Not applicable |
| **14.2. UN Proper Shipping Name** | | |
| Not applicable | Not applicable | Not applicable |
| **14.3. Transport hazard class(es)** | | |
| Not applicable | Not applicable | Not applicable |
| **14.4. Packing group** | | |
| Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | |
| Not applicable | Not applicable | Not applicable |
| No supplementary information available | | |

### 14.6. Special precautions for user

**UN RTDG**
Not applicable

**IMDG**
Not applicable

**IATA**
Not applicable

### 14.7. Transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

## SECTION 16: Other information

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Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
ATE - Acute Toxicity Estimate
EC50 - Median effective concentration
EC-No. - European Community number
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Median lethal concentration
LD50 - Median lethal dose
LOAEL - Lowest Observed Adverse Effect Level
N.O.S. - Not Otherwise Specified
NOAEC - No-Observed Adverse Effect Concentration
NOAEL - No-Observed Adverse Effect Level
NOEC - No-Observed Effect Concentration
OEL - Occupational Exposure Limit
SDS - Safety Data Sheet

| Full text of H-statements: | |
|---|---|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment – Chronic Hazard, Category 4 |
| Aquatic Chronic Not classified | Hazardous to the aquatic environment – Chronic Hazard Not classified |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Repr. 1A | Reproductive toxicity, Category 1A |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| STOT RE 1 | Specific target organ toxicity – Repeated exposure, Category 1 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |
| H226 | Flammable liquid and vapour |
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H360 | May damage fertility or the unborn child |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H413 | May cause long lasting harmful effects to aquatic life |

Safety Data Sheet (SDS), UN

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.