

# Material Safety Data Sheet

## S-Protect WS405

Ref.	ST3100
Rev. no.	1
Prepared Date.	09.12.2018
Review Date.	16.12.2021

### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

<b>Product name:</b>	Protectosil® WS 405
<b>Recommended use:</b>	Industrial Use – Waterproofing Agent
<b>Company details:</b>	Stoanz Ltd
<b>Address:</b>	72 Abel Smith Street, Wellington, New Zealand
<b>Telephone number:</b>	+64 4 801 7794
<b>Emergency telephone no:</b>	<b>Nation Poisons Centre, 0800 POISON, 0800 764 766</b>

### 2. HAZARDS IDENTIFICATION

<b>Classification as per Directive 67/548/EC or Directive 1999/45/EC:</b>	Xi, Irritant R38: Irritating to skin
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Other Hazards:

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Information on hazardous components as per EU-GHS Ordinance (EC) No. 1272/2008:</b>	Silicon compound(Ref.:72243-044810, Germany) >=20% CAS-No: Xi R38
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<b>Other Information:</b>	Chemical Nature: Aqueous Preparation See in chapter 16. See chapter 16 for text of risk phrases
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### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Follow inhalation of aerosols or mist: Possible discomfort: irritation of mucous lining (nose,throat, eyes) Cough, sneezing, flow if tears. Move victims into fresh air. If symptoms persist, consult a physician for treatment
<b>Skin Contact:</b>	Wash off immediately with plenty of water. If symptoms persist contact a physician for treatment.
<b>Eye Contact:</b>	Keep eyelid open, immediately rinse thoroughly for at least 5 minutes using plenty of water or, if necessary, eye rinsing solution Consult an ophthalmologist
<b>Ingestion:</b>	Have the mouth rinsed with water. Have patient drink plenty of water in small sips Consult a physician immediately.

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**Indication of any immediate medical attention and special treatment needed** If required, therapy of irritative effect. After absorbing large amounts of substance.  
 If substance has been swallowed  
 Early endoscopy in order to assess mucosa lesions in the oesophagus and stomach which may appear substance.  
 Allergic reactions cannot be excluded.  
 Treatment of allergic reaction if necessary.

**5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** Water spray, foam, CO<sub>2</sub>, dry powder

**Special Protective equipment for fire-fighters** In case of fire: wear a self-contained respiratory apparatus

**Advice for firefighters** Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire.  
 Fire residues and contaminated fire extinguishing water must be disposed of in accordance with Local regulations.

**6. ACCIDENTAL RELEASE MEASURES**

**Procedures to be covered:**

Personal Precautions  
 Use personal protective equipment.

Environmental Precautions  
 Do not allow substance to enter soil, bodies of water or sewer canals, ground water or drainage systems

Methods for Cleaning Up  
 Soak up with inert absorbent material (E.G sand, silica gel, acid binder, universal binder, sawdust)  
 Transfer into suitable containers.  
 To be disposed of in compliance with Existing regulations. Suitable binder: sand(for damming up)

**7. HANDLING AND STORAGE**

**Handling Practices:**

Precautions for safe handling  
 Handle open container with care.

Advice on protection against fire and explosion  
 Normal measures for preventive fire protection.

**Storage:**

Requirements for storage  
 Keep containers tightly closed in a cool, well ventilated area.  
 Protect from frost  
 Always avoid temperatures of >40 C  
 Do not store with: strong acids, bases

Further information  
 Keep tightly sealed in original packaging.  
 Protect from frost

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

No data available.

#### Engineering measures

Provide for adequate ventilation.

#### Personal protective equipment (PPE):

##### Respiratory protection

In case of dust/vapours/aerosols being formed or if the limit values like TLV are exceeded: Use respiratory equipment with suitable filter or wear a self-contained respiratory apparatus.

##### Hand Protection

Glove material: For example, butyl-rubber

Material thickness: 0,5 mm

Breakthrough time: >=480 min

Selection of protective gloves to meet the requirements of specific workplaces.

Suitability for specific workplaces should be clarified with protective glove manufacturers

The information is based on our own tests, references from the literature and information from the glove manufactures, or derived by analogy with similar materials.

Remember that the useful time per day of a chemical protection glove may be shorter than the permeation time determined according to EN 374 due to the many different influential factors involved.

(e.g. temperature)

#### Eye Protection

Safety glasses

#### Skin and Body Protection

No particular measures required.

#### General hygiene:

Smoking, eating and drinking should be prohibited in the application area.

Wash face and/or hands before break and end of work.

Remove contaminated or saturated clothing.

Wash contaminated clothing before re-use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical State:

Liquid

#### Colour:

White

#### Odour:

Alcoholic

#### pH

6.0 – 8.0 (20°C)

#### Melting Point/Range:

N/A

#### Boiling Point & Boiling Range:

N/A

#### Flash point:

>65°C

#### Ignition temperature

Not determined

#### Thermal decomposition:

>100°C

#### Vapour Pressure:

23 hPa water (20°C)

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**Water Solubility:** Miscible with water

**Viscosity, dynamic** 15 mPa.s (20°C)

### 10. STABILITY AND REACTIVITY

**Incompatible materials** Strong acids, Strong bases

**Hazardous decomposition products** Ethanol in case of hydrolysis

### 11. TOXICOLOGICAL INFORMATION

**Data and interpretation:**

- Acute Oral Toxicity
- LD 50 Rat: > 5110 mg/kg
- Skin Irritation
- Rabbit
- Irritating
- Method: OECD Test Guideline 404
- Eye Irritation
- Rabbit
- Not irritating
- Method: OECD Test Guideline 405
- Genotoxicity in vitro
- No evidence of mutagenic effects

### 12. ECOLOGICAL INFORMATION

**Eco-toxicological effects:** No exotoxicological data is available for this product

### 13. DISPOSAL CONSIDERATIONS

**Product:** With respect to local regulations, e.g. dispose of to suitable waste incineration plant.

**Waste Key Number** No waste key number as per the European waster types list, can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.

Waste key number must be determined as per the European Wastes Types List (decision on EU Waste Types List 2000.532/EC) in cooperation with the disposal firm / producing firm / official authority.

**Uncleaned Packaging** Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities

### 14. TRANSPORT INFORMATION

**Loading instructions/Remarks**

- ADNR**
- not hazardous freight in inland waterway traffic
- ADR**
- not classified as dangerous for conveyance in the meaning of the carriage
- RID**

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Not Classified as dangerous for conveyance in the meaning of the carriage of dangerous goods by Road and Rail

**IATA\_C**

Not hazardous freight in air traffic

**IATA\_P**

Not hazardous freight in air traffic

**IMDG**

Not classified as hazardous sea cargo

**IMDG**

FOR USA ONLY: in packaging exceeding 450L, this product must be classified, placarded, marked and shipped as combustible Liquid to the USA

**15. REGULATORY INFORMATION**

Labelling according to EC Directives

Symbol(s)	Xi Irritant
R-Phrase(s)	R38 Irritating to skin
S-Phrase(s)	S24 Avoid contact with Skin S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S37 Wear suitable gloves
Supplemental hazard / labelling elements(EU):	Contains mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [ECno.247-500-7] and 2methyl-2Hisothiazol-3-one [EC no.220-239-6] (3:1). May include allergic reactions

**16. OTHER INFORMATION**

**Miscellaneous information:** The information provided in this Safety Datasheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guideline for safe handling use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Risk phrase (R Phrase) texts** **Silicon compound(Ref.:72243-044810,Germany)**  
R38 Irritating to skin.