

Safety Data Sheet (1907/2006/EC)

Material: 60020899

Impreg Silane Creme

Version: 3.2 (GB)

Date of print: 28.01.2014

Date of last alteration: 28.01.2014

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

1.1 Product identifier

Commercial product name: Impreg Silane Creme

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

Industrial.

Use of substance / preparation:

Modifying agent for: Building materials

1.3 Details of the supplier of the safety data sheet

Manufacturer/distributor:

Tensid Uk Ltd

Street/POB-No.:

Aquila House, Wheatash Road

State/postal code/city:

Addlestone, KT15 2ES

Telephone:

+44 1932 564133

Telefax:

+44 1932 562046

Information about the Safety Data Sheet:

Telephone

+44 1932 564133

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eMail

info@tensid.com

1.4 Emergency telephone number: +44 1932 564133 +44 7768 384931

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (GHS):

| Class | Category | Route of exposure |
|-------|----------|-------------------|
| - | - | - |

Classification (67/548/EEC, 1999/45/EC):

| R-Phrase | Description |
|----------|-------------|
| R- | - |

This product is not a dangerous preparation within the meaning of Directive 1999/45/EC.

2.2 Label elements

Labelling (GHS):

| H-Code | Hazard Statements |
|--------|-------------------|
| - | - |

| P-Code | Precautionary Statements |
|--------|--------------------------|
| - | - |

Labelling (67/548/EEC, 1999/45/EC):

| R-Phrase | Description |
|----------|-------------|
| R- | - |

| S-Phrase | Description |
|----------|-------------|
| S- | - |

2.3 Other hazards

Inhalation of aerosol spray may damage health.

Product hydrolyses, producing ethanol (CAS no. 64-17-5). Ethanol is highly flammable.

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SECTION 3: Composition/information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

3.2.1 Chemical characterization (preparation)

Alkoxy silanes + siloxane + water

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

After inhalation:

Provide fresh air.

After contact with the skin:

Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

After swallowing:

Give several small portions of water to drink. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

No data are available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

extinguishing powder , alcohol-resistant foam , carbon dioxide , dry sand .

Extinguishing media which must not be used for safety reasons:

-

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: alcohols . Do not allow extinguishing water to enter sewerage, the soil or inshore waters.

Hazardous combustion products: nitrous gases .

5.3 Advice for firefighters

Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhaling mists and vapours. Avoid contact with eyes and skin.

6.2 Environmental precautions

Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g. earth).

Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

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6.3 Methods and material for containment and cleaning up

Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations.

Further information:

Eliminate all sources of ignition.

6.4 Reference to other sections

Relevant information in other sections have to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:

In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Spilled substance increases risk of slipping.

Precautions against fire and explosion:

Keep away from open flames, heat and sparks. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water. Product can separate methanol. Product may release ethanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. In partly emptied containers formation of explosive mixtures is possible.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:

Protect against frost.

Advice for storage of incompatible materials:

none known

Further information for storage:

Keep container tightly closed and store in a cool, well ventilated place.

Minimum temperature allowed during storage and transportation: 0 °C

7.3 Specific end use(s)

No data are available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Maximum airborne concentrations at the workplace:

| CAS No. | Material | Type | mg/m ³ | ppm | Dust fract. | Fibre/m ³ |
|---------|----------|------|-------------------|--------|-------------|----------------------|
| 64-17-5 | Ethanol | OEL | 1920,0 | 1000,0 | | |

-

8.2 Exposure controls

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Do not eat, drink or smoke when handling.

Personal protection equipment:

Respiratory protection

In accordance with instructions: not required . In case of aerosol- or mist formation use respiratory protection. fine dust mask without protection rating .

Hand protection

Recommendation: PVC gloves .

Eye protection

Recommendation: protective goggles .

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8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information:

Physical state / form: paste
Colour: white to yellowish
Odour: slight

Important information about the protection of health, safety and the environment:

Property:

Melting point / melting range: not determined
Boiling point / boiling range: 100 °C at 1013 hPa
Flash point.....: 64 °C
Sustained combustibility.....: > 95 °C
Ignition temperature: 265 °C
Lower explosion limit (LEL): not determined
Upper explosion limit (UEL).....: not determined
Vapour pressure.....: 23 hPa at 20 °C
Density: approx. 0,9 g/cm³
Water solubility / miscibility.....: completely miscible at 20 °C
pH-Value: not applicable
Viscosity (dynamic): not applicable

Value:

Method:

(ISO 3679)

(ISO 9038)

9.2 Other information

Re 9.2 solubility in water: Hydrolytic decomposition occurs. Explosion limits for released ethanol: 3.5 - 15%(V).

SECTION 10: Stability and reactivity

10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

none known .

10.5 Incompatible materials

Reacts slowly with: water and acids . Reacts with: acids and alkalis . Reaction causes the formation of: ethanol

10.6 Hazardous decomposition products

By hydrolysis: ethanol .

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Product details:

| Route of exposure | Result/Effect | Species/Test system | Source |
|-------------------|---------------------------------|---------------------|-----------------------------------|
| oral | LD ₅₀ : > 2000 mg/kg | rat | Conclusion by analogy |
| dermal | LD ₅₀ : > 2000 mg/kg | rat | Conclusion by analogy OECD 402 |

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| | | | |
|---------------------------------|---|-----|-------------|
| by inhalation (spray / dust) | LC ₅₀ : > 5,2 mg/l; 4 h No mortality with the given dose. | rat | test report |
|---------------------------------|---|-----|-------------|

11.1.2 Skin corrosion/irritation

Product details:

| Result/Effect | Species/Test system | Source |
|----------------|---------------------|--------------------------------------|
| not irritating | rabbit | Conclusion by analogy OECD 404 |

11.1.3 Serious eye damage / eye irritation

Product details:

| Result/Effect | Species/Test system | Source |
|----------------|---------------------|--------------------------------------|
| not irritating | rabbit | Conclusion by analogy OECD 405 |

11.1.4 Respiratory or skin sensitization

Product details:

| Route of exposure | Result/Effect | Species/Test system | Source |
|-------------------|-----------------|-------------------------------|--------------------------------------|
| dermal | not sensitizing | guinea-pig; Magnusson-Kligman | Conclusion by analogy OECD 406 |

11.1.5 Germ cell mutagenicity

Assessment:

According to our present state of knowledge not mutagenic.

11.1.6 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

For this endpoint no toxicological test data is available for the whole product.

11.1.7 Reproductive toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Specific target organ toxicity (single exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity (repeated exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard

Assessment:

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

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11.1.11 Further toxicological information

Product(s) of hydrolysis: According to literature, ethanol (67-17-5) irritates the mucous membranes, slightly irritates the skin, degrades the skin, is narcotic and may cause liver damage. Remark for the listed toxicological data: Evaluation in analogy to similar product.

SECTION 12: Ecological information

12.1 Toxicity

Assessment:

According to current knowledge adverse effects on water purification plants are not expected.

12.2 Persistence and degradability

Assessment:

Product(s) of hydrolysis: ethanol and silanol- and/or siloxanol-compounds. Elimination by adsorption to activated sludge. Silicone content: Biologically not degradable. The hydrolysis product (Ethanol) is readily biologically degradable.

12.3 Bioaccumulative potential

Assessment:

No data known.

12.4 Mobility in soil

Assessment:

No data known.

12.5 Results of PBT and vPvB assessment

No data are available.

12.6 Other adverse effects

none known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Material

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

13.1.2 Uncleaned packaging

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

13.1.3 Waste Disposal Legislation Ref.No.(EC)

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

SECTION 14: Transport information

14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

Road ADR:

Valuation: Not regulated for transport

Railway RID:

Valuation: Not regulated for transport

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Transport by sea IMDG-Code:

Valuation: Not regulated for transport

Air transport ICAO-TI/IATA-DGR:

Valuation: Not regulated for transport

14.5 Environmental hazards

Hazardous to the environment: no

14.6 Special precautions for user

Relevant information in other sections have to be considered.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Bulk transport in tankers is not intended.

SECTION 15: Regulatory information

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

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

Relevant regulations:

SI 2002/1689: CHIP Regulations 2002

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health & Safety at Work Regulations 1999

Health & Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

15.3 Other international regulations

Details of international registration status:

Listed on or in accordance with the following inventories:

EINECS - Europe

ECL - Korea

ENCS - Japan

AICS - Australia

IECSC - China

DSL - Canada

PICCS - Philippines

TSCA - USA

SECTION 16: Other information

16.1 Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

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16.2 Further information:

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

- End of Safety Data Sheet -