

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

- 1.1 Product identifier
- Trade name: **ESCOSIL-2000-ST**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
- Application of the substance / the mixture Spacings sealent
- 1.3 Details of the supplier of the safety data sheet
- **Manufacturer/Supplier:**
SCHOMBURG GmbH & Co. KG
Aquafinstr. 2-8
D-32760 Detmold
Germany

Tel: ++49 (0)5231/953-00
email: info@schomburg.de
web: www.schomburg.de
- **Informing department:**
Product Safety Department

Tel: ++49 (0)5231/953-770
email: SDB@schomburg.de

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.
- **Additional information:** Avoid skin contact.
- 2.2 Label elements
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
EUH208 Contains 2-octyl-2H-isothiazol-3-one, 3-aminopropyltriethoxysilane. May produce an allergic reaction.
EUH210 Safety data sheet available on request.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- 2.3 Other hazards
During the processing and hardening of the material, chemical substances are released into the air (see point 11). Therefore ensure good room ventilation and, if necessary, suction.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- **Description:** Preparation based on Polydimethylsiloxan, filler, additives and Oximosilan-interlinks.
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Dangerous components:

CAS: 1170315-90-8	2-Pentanone, 2,2',2''-[O,O',O''-(phenylsilylydyne)trioxime]	2.5-10%
EC number: 700-833-6	⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	
CAS: 37859-55-5	O, O', O''-(methylsilylydyne)trioxime 2-pentanone	<2.5%
ELINCS: 484-460-1	⚠ STOT RE 2, H373; ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	
CAS: 13463-67-7	titanium dioxide	<2.5%
EINECS: 236-675-5	⚠ Carc. 2, H351	
Index number: 022-006-00-2		

· **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** Personal protection for the First Aider.
- **After inhalation**
Keep the person at fresh air.
Seek medical treatment in case of complaints.
- **After skin contact**
After contact, clean the skin mechanical and rinse with water and soap.
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing**
Don't cause vomiting
Call a doctor immediately.
Show the pack or the label to the doctor.
- **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 jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** None known
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained breathing apparatus.
Do not inhale explosion gases or combustion gases.
- **Additional information** Follow the emergency-plan.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.

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See Section 13 for information on disposal.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Work with fresh air supply, keep doors and windows open.
Keep away from children.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Containers must be stored thick closed at a cool, ventilated place.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Please follow the rules of the VCI-Storage-Concept for chemicals.
- **Further information about storage conditions:**
Protect from frost.
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
 - **Additional information about design of technical systems:**
It must be possible to wash the skin in the working area.
Eye-wash bottle must be available.
 - **Components with critical values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - **Additional information:** The lists that were valid during the compilation were used as basis.
 - **8.2 Exposure controls**
 - **Personal protective equipment**
 - **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
Avoid contact with eyes and skin. Change clothes which heavy contaminate with the product.
Be sure to clean skin thoroughly after work and before breaks.
When the material is hardened on the skin, remove it carefully mechanically.
 - **Breathing equipment:**
Use breathing protection in case of insufficient ventilation.
Protective mask with appropriate gas filter (type ABEK according to EN 14387).
 - **Protection of hands:** Hand Protection: Nitril-rubber-latex-gloves.
 - **Material of gloves**
Nitril-rubber-latex-gloves II R: Thickness $\geq 0,5\text{mm}$; Penetration time ≥ 480 min
- 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.
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - **Eye protection:** Safety glasses
 - **Body protection:** Protective work clothing.

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Pasty
Colour:	According to product specification
Smell:	Characteristic
Odour threshold:	Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined

· Flash point: Not applicable

· Inflammability (solid, gaseous) Not applicable.

· Decomposition temperature: Not determined.

· Self-inflammability: Product is not selfigniting.

· Explosive properties: Product is not explosive.

· Critical values for explosion:

Lower:	Not determined.
Upper:	Not determined.

· Steam pressure: Not determined.

· Density at 20 °C 1 g/cm³

· Relative density Not determined.

· Vapour density Not determined.

· Evaporation rate Not determined.

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

dynamic:	Not determined.
kinematic:	Not determined.

· 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided: Avoid excessive heat.

· 10.3 Possibility of hazardous reactions No dangerous reactions known

· 10.4 Conditions to avoid No further relevant information available.

· 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products:

By heating about 150°C in present of air, could be realase small amounts of formaldehyde.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity Based on available data, the classification criteria are not met.

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· **LD/LC50 values that are relevant for classification:**

1170315-90-8 2-Pentanone, 2,2',2''-[O,O',O''-(phenylsilylidyne)trioxime]

Oral LD50 1,514 mg/kg (rats)

37859-55-5 O, O', O''-(methylsilylidyne)trioxime 2-pentanone

Oral LD50 1,234 mg/kg (rats) (OECD 425)

Dermal LD50 >2,000 mg/kg (rats)

13463-67-7 titanium dioxide

Oral LD50 >5,000 mg/kg (rats)

Dermal LD50 >10,000 mg/kg (rbt)

Inhalative LC50/4 h 6.8 mg/l (rats)

919-30-2 3-aminopropyltriethoxysilane

Oral LD50 1,490 mg/kg (rats) (EPA Method)

Dermal LD50 >2,000 mg/kg (Kan) (EPA Method)

Inhalative LC50 >144 mg/l /(6h) (rats)

· **Specific symptoms in biological assay:**

919-30-2 3-aminopropyltriethoxysilane

NOAEL 200 mg/kg (rats) (OECD TG 408)

· **Primary irritant effect:** No irritant action known.

· **Skin corrosion/irritation** It is possible to irritate the skin.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation**

After longer exposition sensitization by skin contact or breath in is possible.

· **Other information (about experimental toxicology):**

2-Pentanonoxim During the application and subsequent curing of the product (CAS 623-40-5), which evaporates. 2-Pentanonoxim causes serious eye irritation. If 2-Pentanonoxim inhaled in high concentrations (for example, when there is inadequate ventilation) over long periods, it may cause irreversible damage to health.

· **Additional toxicological information:**

· **CMR effects (carcinogenicity, 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.

· **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:**

37859-55-5 O, O', O''-(methylsilylidyne)trioxime 2-pentanone

EC 50 >113 mg/kg /48h (Daphnia magna) (OECD 202)

100 mg/kg /72h (Pseudokirchneriella subcapitata) (OECD 201)

LC50/96h >113 mg/l (rainbow trout) (OECD 203)

NOEC ≥113 mg/l /48h (Daphnia magna)

36 mg/l /72h (Pseudokirchneriella subcapitata)

113 mg/l /96h (rainbow trout)

13463-67-7 titanium dioxide

LC 0 48 mg/l (Leuciscus idus)

EC0 30 mg/l (Daphnia magna)

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Safety data sheet
according to 1907/2006/EC, Article 31

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24 mg/l (Pseudomonas fluorescens)

919-30-2 3-aminopropyltriethoxysilane

LC 0 >934 mg/l /(96h) (Brachydanio rerio) (OECD TG 203)

EC10 13 mg/l /(5.75h) (Pseudomas putida) (Bringmann & Kühn, 10, 87-98 (1977))

EC50 (48h) 331 mg/l (Daphnia magna) (OECD TG 202)

EC/LC50 (72h) >1,000 mg/l (Desmodesmus subspicatus) (OECD TG 201)

· **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 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies 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 not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**· **Recommendation:**

Non contaminated packagings can be treated like household garbage.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14: Transport information· **14.1 UN-Number**· **ADR, IMDG, IATA** Void· **14.2 UN proper shipping name**· **ADR, IMDG, IATA** Void· **14.3 Transport hazard class(es)**· **ADR, ADN, IMDG, IATA**· **Class** Void· **14.4 Packing group**· **ADR, IMDG, IATA** Void· **14.5 Environmental hazards:**· **Marine pollutant:** No· **14.6 Special precautions for user** Not applicable.· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **UN "Model Regulation":** Void

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* **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.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* **SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
- **Department issuing data specification sheet:** Environment protection department.
- **Contact:** Environment protection department.
- **Abbreviations and acronyms:**
ADR: Accord relatif au transport international 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
Acute Tox. 4: Acute toxicity – Category 4
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Carc. 2: Carcinogenicity – Category 2
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- *** Data compared to the previous version altered.**