

**Volvox Silicate Primer****1-160****1 Section****Chemical Product and Company Identification**

MSDS Name: **Silicate Primer**  
Product Group : Surface treatment outside  
Catalog Numbers : **1-160x**  
Synonyms : Silikatgrund  
Company Identification : ecotec Naturfarben GmbH  
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**2 Section****Composition, Information on Ingredients**

Coating based on sodium tetra-silicate,  
resin emulsion and water.

**Hazardous Ingredients:** sodium tetra-silicate

**3 Section****Hazards Possibilities**

Paints based on sodium tetra-silicate are highly alkaline. Skin and eyes must be protected from paint splashes.

**Hazard symbols:** No

**Labelling:** No

**Safety advice:** Wear protective gloves and goggles.  
Keep away from children.  
In case of contact with eyes flush with water immediately.

**4 Section****First Aid Measures**

**General Information:** If in doubt or in case of persistent symptoms, seek medical advice.

**Eye :** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink plenty of water.

**Inhalation:** Of powder or spraying fog: expose affected person to fresh air. Keep calm. In case of unconsciousness or difficulties when breathing get medical aid immediately.

**5 Section****Fire Fighting Measures****General Information:**

Product itself is **non-combustible**. Fire extinguishing method of surrounding areas must be discussed.

**Protective measures for fire fighting:**

No special measures needed.

**6 Section****Accidental Release Measures**

**General Remarks:** Forms slippery/greasy layers with water: slip hazard.

**Methods for Cleaning up / Taking up :**

Take up with liquid absorbing material (sand, saw dust, binder).

**Environmental Precautions:**

Do not allow to enter drains or waterways Do not allow spilt product to enter soil or waterways

**Additional Remarks :**

**7 Section****Handling and Storage**

**Hints on safe handling :** Keep containers tightly sealed. Ensure a good ventilation.

**Storage Conditions:** Keep dry and above 0°C. Do not store together with acids.

**8 Section****Exposure Controls, Personal Protection**

**Technical measures:** Maximum allowable concentrations must be observed.

**Exposure Limits****Personal Protective Equipment:**

**Eye:** Safety glasses (PE, or similar, no glass)

**Skin:** Wear appropriate (PE, or similar) water resistant protective gloves.

**Respirators:** n a.

**Volvox Silicate Primer****1-160****9 Section****Physical and Chemical Properties**

<b>Appearance:</b>	Clear/milky liquid	
<b>Physical State:</b>	Liquid	
<b>Odor:</b>	Characteristic	
<b>pH:</b>	10-11	
<b>Vapor Pressure:</b>	n.a.	DIN 51 562
<b>Vapor Density:</b>	n.a.	
<b>Evaporation Rate:</b>	n.a.	
<b>Viscosity:</b>	n.a.	DIN 52 211
<b>Boiling Point/Range:</b>	100 °C	DIN 51 751/51, DIN 52 211
<b>Freezing / Melting Point:</b>	n.a.	
<b>Autoignition Temperature:</b>	n.a.	
<b>Flash Point:</b>	NO	DIN 51 755/51 758
<b>NFPA Rating:</b>	not published	
<b>Exposure Limits, Lower:</b>	n.a.	
<b>Upper:</b>	n.a.	
<b>Decomposition Temperature:</b>		n.a.
<b>Solubility (water in material):</b>	100%	
<b>Specific Gravity/Density:</b>	ca. 1,04 g/cm <sup>3</sup> (20 °C)	DIN 51 757

**10 Section****Stability and Reactivity**

**Conditions to avoid:** The product must be stored in tightly sealed plastic containers and must be protected from frost.

**Incompatibilities with Other Material:**  
Reaction with acids, hydrogen is produced.

**Hazardous Decomposition Products:**  
No

**11 Section****Toxicological Information**

**Acute Toxicity:** Not reported

**Carcinogeny:** Not reported

**Sensitization:** not reported

**Other Studies:**

**Experiences made in Practice:** No negative results reported

**Additional Remarks:** In wet form the product is alkaline.

# MSDS



## Volvox Silicate Primer

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#### Ecological Information

**WGK (Water Hazard Class):** 1

**Biodegradability:** Product is slowly decomposed consuming oxygen.

**General advice:** Do not allow to enter drains or waterways Do not allow spilt product to enter soil or waterways

**Ecological effects:** See section 11.

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#### Disposal Considerations

**Product:** In accordance with the necessary technical regulations, may be dumped, when solidified, with household waste, after consultation with site operator and with the responsible authority.

**Packagings:** Completely emptied packagings can be given for recycling.

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#### Transport Information

**Labeling:** No dangerous goods, no labelling necessary

**US DOT**

**UN-No. :**

**Hazard Class:**

**Packing Group:**

**Canadian TDG:**

**IMDG + GGVSee:**

**Class:**

**Packing Group :**

**Page :**

**IATA :**

**Class :**

**Page :**

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**Regulatory Information**

**European / international regulations**

See Section3.

**WGK (Water/Danger Protection):** 1

**Exposure Limits:** none

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**Additional Information**

This Information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damage of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.