

Trade name: Ecopro Silicate Primer

Revision date : 24-Jun-16

Region: GB

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**Ecopro Silicate Primer****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Paints for interior and exterior porous surfaces

**1.3 Details of the supplier of the safety data sheet****Address**

Earthborn

Frodsham Business Centre, Bridge Lane, Frodsham, Cheshire

WA6 7FZ

Telephone no. +44 (0)1928 734 171

Fax no. +44 (0)1928 731 732

**Advice on Safety Data Sheet**

info@earthbornpaints.co.uk

**1.4 Emergency telephone number**

+44 (0)1928 734 171

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 (CLP)**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**Supplemental Hazard information (EU)**

EUH210 Safety data sheet available on request.

**Precautionary statements Prevention**

P262 Do not get in eyes, on skin, or on clothing.

**Precautionary statements Response**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**2.3 Other hazards**

No data available.

# EC safety data sheet

Trade name: Ecopro Silicate Primer

Revision date : 24-Jun-16

Region: GB


## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]	Concentration
CAS No.: 1312-76-1 EC No.: 215-199-1 REACH No.: 01-2119456888-17-0002	<b>Silicic acid, potassium salt</b> STOT SE 3, Skin Irrit. 2, Eye Irrit. 2  <b>Warning</b> H315-H319-H335	3 - 6 Wt %

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice. Change contaminated, saturated clothing.

#### Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact

After contact with skin, wash off immediately with soap and water.

#### After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). If swallowed, seek medical advice immediately and show the container or label.

#### Self-protection of the first aider

No special measures are necessary.

### 4.2 Most important symptoms and effects, both acute and delayed

None known symptoms to date.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

The product itself does not burn

#### Unsuitable extinguishing media

High power water jet

### 5.2 Special hazards arising from the substance or mixture

The product itself does not burn.

### 5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### 5.4 Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings. Do not allow run-off from fire-fighting to enter drains or water courses

Trade name: Ecopro Silicate Primer

Revision date : 24-Jun-16

Region: GB

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Personal precautions

Special danger of slipping by leaking/spilling product.

##### Protective equipment

Use personal protection equipment.

#### 6.1.2. For emergency responders

##### Personal protection equipment

Personal protection equipment: see section 8

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3 Methods and material for containment and cleaning up

#### For containment

Suitable material for taking up: Sand, Earth,

#### For cleaning up

Water (with cleaning agent)

### 6.4 Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13

### 6.5 Additional information

Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Wear personal protection equipment (see section 8)

#### Fire prevention measures

The product itself does not burn

#### Environmental precautions

Do not empty into drains.

#### Advice on general occupation hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

#### Technical measures and storage conditions

The product is stable under storage at normal ambient temperatures. Keep container tightly closed in a cool, well-ventilated place. Not useable after freezing.

#### Packaging materials

Keep / store in a well ventilated place. Keep container tightly closed.

#### Storage class

12

### 7.3 Specific end use(s)

#### Recommendation

Observe technical data sheet.

Trade name: Ecopro Silicate Primer

Revision date : 24-Jun-16

Region: GB

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**8.1.1 Occupational exposure limit values**

No data available.

**8.1.2 Biological limit values**

No data available.

**8.1.3 DNEL-/PNEC-values**

Substance name	DNEL value	① DNEL type ② Exposure route
Silicic acid, potassium salt CAS No.: 1312-76-1	5.61 mg/m <sup>3</sup>	① DNEL worker ② DNEL long-term inhalative (systemic)
Silicic acid, potassium salt CAS No.: 1312-76-1	1.38 mg/m <sup>3</sup>	① DNEL Consumer ② DNEL long-term inhalative (systemic)
Silicic acid, potassium salt CAS No.: 1312-76-1	1.49 mg/kg	① DNEL worker ② DNEL long-term dermal (systemic)
Substance name	DNEL value	① DNEL type ② Exposure route
Silicic acid, potassium salt CAS No.: 1312-76-1	0.74 mg/kg	① DNEL Consumer ② DNEL long-term dermal (systemic)
Silicic acid, potassium salt CAS No.: 1312-76-1	0.74 ml/kg	① DNEL Consumer ② DNEL long-term oral (repeated)
Substance name	PNEC Value	① PNEC type
Silicic acid, potassium salt CAS No.: 1312-76-1	7.5 mg/l	① PNEC aquatic, freshwater
Silicic acid, potassium salt CAS No.: 1312-76-1	1 mg/l	① PNEC aquatic, marine water

**8.2 Exposure controls**

**8.2.1. Appropriate engineering controls**

See section 7. No additional measures necessary.

**8.2.2. Personal protective equipment**

**Eye/face protection**

Eye glasses with side protection

**Skin protection**

Hand protection, suitable material: NBR (Nitrile rubber). Maximum wearing time >8hr. See information supplied by manufacturer.

**8.2.3. Environmental exposure controls**

No data available

**8.3 Additional information**

No data available.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state:** liquid

**Odour:** not determined

**Safety relevant basis data**

Trade name: Ecopro Silicate Primer

Revision date : 24-Jun-16

Region: GB

**Safety relevant basis data**

parameter		at °C	method	Remark
pH	10.8	20 °C		
Melting point/freezing point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	> 100 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1 - 1.15 g/cm <sup>3</sup>	20 °C		
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

**9.2. Other information**

No data available

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

The product is stable under storage at normal ambient temperatures.

**10.2 Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3 Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4 Conditions to avoid**

Frost, heat. Protect against direct sunlight.

**10.5 Incompatible materials**

Acid. Aluminium

**10.6 Hazardous decomposition products**

No information available.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

CAS No.	Substance name	Toxicological information
1312-76-1	Silicic acid, potassium salt	<b>LD<sub>50</sub> oral:</b> >2,000 mg/kg (Rat)
<b>Acute oral toxicity</b>		
No data available		
<b>Acute dermal toxicity</b>		
No data available		
<b>Acute inhalation toxicity</b>		
No data available		
<b>Skin corrosion/irritation</b>		
Slight irritant but not relevant for classification		

Trade name: Ecopro Silicate Primer

Revision date : 24-Jun-16

Region: GB

<b>Eye damage/irritation</b>
Slight irritant but not relevant for classification
<b>Respiratory or skin sensitisation</b>
None
<b>Germ cell mutagenicity</b>
No indications of human germ cell mutagenicity exist.
<b>Carcinogenicity</b>
No indication of human carcinogenicity.
<b>Reproductive toxicity</b>
No indications of human reproductive toxicity exist.
<b>STOT-single exposure</b>
No data available
<b>STOT-repeated exposure</b>
No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

CAS No.	Substance name	Toxicological information
1312-76-1	Silicic acid, potassium salt	<b>EC<sub>50</sub></b> : >146 mg/l (Daphnia pulex (water flea)) <b>LC<sub>50</sub></b> : >146 mg/l 2 d (Leuciscus idus (golden orfe))

### 12.2 Persistence and degradability

The product is an alkali. Before discharge into sewage plants the product normally needs to be neutralised.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
1312-76-1	Silicic acid, potassium salt	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose of waste according to applicable legislation.

#### Waste treatment options

##### Appropriate disposal / Product:

Dispose of waste according to applicable legislation.

##### Appropriate disposal / Product:

Dispose of waste according to applicable legislation.

### 13.2 Additional information

No data available.

Trade name: Ecopro Silicate Primer

Revision date : 24-Jun-16

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## SECTION 14: Transport information

No dangerous goods in sense of these transport regulations.

- 14.1 UN-No.**  
Not relevant
- 14.2 UN proper shipping name**  
Not relevant
- 14.3 Transport hazard class(es)**  
Not relevant
- 14.4 Packing group**  
Not relevant
- 14.5 Environmental hazards**  
Not relevant
- 14.6 Special precautions for user**  
Not relevant
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Not relevant

## SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No data available
- 15.2 Chemical safety assessment**  
For the following substances of this mixture a chemical safety assessment has been carried out: CAS.Nr. 1312-76-1
- 15.3 Additional information**  
No data available.

## SECTION 16: Other information

- 16.1 Indication of changes**  
Data changed compared with previous version
- 16.2 Abbreviations and acronyms**  
See overview table at [www.euphrac.eu](http://www.euphrac.eu)
- 16.3 Key literature references and sources for data**  
No data available.
- 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]**  
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

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**Trade name:** Ecopro Silicate Primer**Revision date :** 24-Jun-16**Region:** GB

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**16.5 Relevant R-, H- and EUH-phrases (Number and full text)**

Hazard statements	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

**16.6 Training advice**

No data available

**16.7 Additional information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.