

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

- 1.1. Product identifier: Vetrofluid®
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Deep penetrating seal for concrete. Curing agent, hardener and waterproofing
- 1.3. Detail of the supplier of the safety data sheet: ECOBETON-USA 4894
SPARKS BLVD
SPARKS, NV 89431
ECOBETON-USA.COM
INFO@ECOBETON-USA.COM 800-723-2198
- 1.4. Emergency telephone number: Chemtrec - 800-424-9300

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture

DOT regulation criteria 1272/2008 (CLP)
None
Adverse physicochemical, human health and environmental effects:
Alkali mixture, may cause skin and eyes irritation.
- 2.2. Label elements
Symbol: None.
Hazard Statements:
None. The preparation should not be considered as dangerous accordingly to DOT regulation criteria and following amendments thereof.
Precautionary Statements:
P262 – Do not get in eyes, on skin, or on clothing.
P280 – Wear protective gloves/protective clothing/eye protection/face protection
P305 – In case of eye contact: wash immediately with water and consult a physician

Special provisions according to annex XVII of REACH and subsequent amendments:
None
- 2.3. Other Hazards
vPvB Substances: None– PBT Substances:
None Other Hazards: no other hazards.
- 2.4. Zero VOC's – Verified using EPA method 8260D

SECTION 3: Composition/information on ingredients

- 3.1. Substances: N.A.
- 3.2. Mixtures:

Contains:

<i>Identification</i>	<i>Concentration %</i>	<i>UN NUMBER</i>
Water CAS: 7732-18-5 EC: 2321-791-2 Reach n°: -	50 - 75	
Waterglass CAS: 1344-098 EC: 215-687-4 Reach n°: 01-2119448725-31-xxxx	25 - 50	-
Proprietary catalyst (no hazardous ingredients)	< 1	-

The full wording of risk (R) and hazard (H) phrases is given in section 16 of the sheet.

SECTION 4: First aid measures

- 4.1. Description of first aid measures In case of skin contact: wash immediately with water. Remove contaminated clothing immediately and dispose off safely.
 In case of eyes contact:
 After contact with eyes, rinse with water with the eyelids open for a sufficient length of time, then get medical attention.
 In case of ingestion:
 non-toxic, wash the mouth thoroughly and drink plenty of water to dilute. Do not induce vomiting. Obtain medical examination immediately.
 In case of inhalation:
 remove casualty to fresh air and keep warm and at rest.
- 4.2. Most important symptoms and effects, both acute and delayed:
 No specific hazards are encountered under normal product use.
- 4.3. Indication of any immediate medical attention and special treatment needed Treatment:
 see paragraph 4.1

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 Suitable extinguishing media:
 None in particular
 Extinguishing media which must not be used for safety reasons:
 None in particular
- 5.2. Special hazards arising from the substance or mixture
 The product is not combustible
- 5.3. Advice for firefighters
 In case of nearby fire use either powder, water spray, foam or carbon dioxide.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 Wear personal protection equipment.
- 6.2. Environmental precautions
 Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
- 6.3. Methods and material for containment and cleaning up
 With small spill or leaks use absorbent material such as sawdust, vermiculite or sand. Larger spills dilute with larger amount of water before flushing to a sewer or drain according to regular regulation. Ventilate the room.
- 6.4. Reference to other sections See
 also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe Avoid contact with skin and eyes. To apply use only low-pressure pumps to avoid aerosol.
- 7.2. Conditions for safe storage, including any incompatibilities Avoid contacts with acids, aluminum, stain, zinc
- 7.3. Specific end use(s)
 None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - 8.1.a - US Specifications
 Sodium Silicate Solution:
 No Occupational Exposure Limit assigned.
 An exposure limit of 2 mg/m3 (15 min TWA) is recommended by analogy with sodium hydroxide (UK EH40).
 - 8.1.b - EU Specifications
 No occupational exposure limit available (TLV)
 DNEL Exposure Limit Values: N.A.
 PNEC Exposure Limit Values: N.A.
- 8.2. Exposure controls
 Eye protection:
 Safety goggles are recommended
 Skin protection:
 Use clothing that provides comprehensive protection to the skin
 Protection for hands:
 Use protective rubber gloves.
 Respiratory protection:
 Do not allow aerosol. In case of insufficient ventilation use mask.

 Personal Protective Equipment should comply with relevant CE standards (correctly maintained and stored). Consult the supplier to check the suitability of equipment against specific chemicals and for user information.
 Other protection:
 Avoid contact with glass surface (glasses, watches, etc.)
 Environmental exposure controls:
 None.

SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and Appearance:

Appearance:	liquid
Color:	colourless
Odor:	odourless

Odor threshold:	N.A.
pH:	> 11
9.2. Important informations about health, safety and environment	
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	~ 100 °C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapor density:	N.A.
Flash point:	N.A.
Evaporation rate:	N.A.
Vapor pressure:	same as water
Relative density:	~ 1,13 gr/ml (at 20°C)
Vapour density (air=1):	N.A.
Solubility in water:	soluble
Viscosity:	N.A.
Auto-ignition temperature:	N.A.
Explosion limits (by volume):	N.A.
Decomposition temperature:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Explosive properties:	N.A.
Oxidizing properties:	N.A.
9.3. Other information	
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties:	N.A.

SECTION 10: Stability and reactivity

10.1.Reactivity:
Stable under normal conditions.

10.2.Chemical stability:
Stable under normal conditions.

10.3.Possibility of hazardous reactions:
none.

10.4.Conditions to avoid:
avoid contact with aluminium, stain, zinc and acid

10.5.Incompatible materials:
avoid contact with aluminium, stain, zinc and acid

10.6.Hazardous decomposition products:
none.

SECTION 11: Toxicological information

11.1.Information on toxicological effects

Route(s) of entry:
Ingestion: yes
Inhalation: no
Contact: yes

Toxicological information related to the product:
There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture
Toxicological information of the mixture: N.A.
Toxicological information of the main substances found in the mixture: N.A.

Corrosive/Irritating Properties:
Skin: contact may cause redness
Eyes: contact may cause redness and irritation
Ingestion: may cause gastro-intestinal problems
Inhalation: may cause irritation

Sensitizing properties:
no effects are known.

Carcinogenic effects:
no effects are known.

Mutagenic effects:
no effects are known.

Teratogenic effects:
no effects are known.

If not differently specified, the information required in Regulation 453/2010/EC must be considered as N.A.

SECTION 12: Ecological information

12.1.Toxicity
The product increase the pH level on water and soil, and thereby may be dangerous aquatic beings.

12.2.Persistence and degradability
N.A.

12.3.Bioaccumulative potential
N.A.

12.4.Mobility in soil
N.A.

12.5.Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None

12.6.Other adverse effects
Not available data on the mixture

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Verify waste procedures with local authorities

SECTION 14: Transport information

- 14.1. UN number: N.A.
14.2. UN proper shipping name: N.A.
14.3. Transport hazard class(es)
RID/ADR: no dangerous good
ADR-Upper number: N.A.

- Air (ICAO/IATA): no dangerous good
Sea (IMO/IMDG): no dangerous good
14.4. Packing group N.A.
14.5. Environmental hazards N.A.
14.6. Special precautions for user N.A.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
no

SECTION 15: Regulatory Information

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

REACH Regulation n°1907/2006 (REACH)
CLP Regulation n°1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) e UE n. 758/2013
Regulation (EU) n. 453/2010 (Annex I)
Regulation UE n. 286/2011 (ATP 2 CLP)
Regulation UE n. 453/2012 (ATP 3 CLP)
Regulation UE n. 487/2013 (ATP 4 CLP)
Regulation UE n. 944/2013 (ATP 5 CLP)
Directive 2000/39/CE and s.m.i. (Professional threshold limit)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
None

- 15.2. Chemical safety assessment
None. Product does not contain any chemicals currently listed in California Proposition 65.

SECTION 16: Other information

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU and US DOT standards

Warning for user:

The information contained herein is based on our suppliers and on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. This MSDS cancels and replaces any preceding release.