


Page - 1 -	SAFETY DATA SHEET (According to 1907/2006/EC) HYDROCON	
Revised edition no. : 2		
DATE – May 2019		

1. IDENTIFICATION OF THE SUBSTANCES / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name : HYDROCON
Use of the substance/preparation : Process aid for industrial application in textile industry
: H.O. : BRITACEL SILICONES LTD
F-18, STREET NO.23, MIDC, MAROL,
ANDHERI (E), MUMBAI – 400 093.
Manufacturer / Supplier Fact :
PLOT NO. L –124, 125 & 126,
VERNA INDUSTRIAL ESTATE,
VERNA PHASE – III, GOA – 403 772.
Contact : Customer service : +91 22 400 94000
Product Disposal Information: +91 832 278 2929
+91 832 278 3939
Email- bsl@britacelsilicones.com
Emergency information : Emergency Telephone: +91 22 4009 4002

2. HAZARDOUS IDENTIFICATION

As per classification rules in Directive 67/548/EEC or 1999/45/EC, **HYDROCON is not classified as dangerous preparation.**

3. COMPOSITION / INFORMATION ON INGREDIENTS


HYDROCON : Not classified as dangerous product.

4. FIRST AID MEASURES

- Inhalation : Assure fresh air breathing
- Skin contact : Not expected to require first aid measures.
- Eye contact : Rinse immediately with water.
- Ingestion : Rinse mouth

5. FIRE-FIGHTING MEASURES

Flammable class : Not combustible
Extinguishing media : All extinguishing media can be used.
Surrounding fires : Use water spray or fog for cooling exposed containers.
Special procedures : Exercise caution when fighting any chemical fire.

Page - 2 -	<p style="text-align: center;">SAFETY DATA SHEET (According to 1907/2006/EC)</p> <p style="text-align: center;">HYDROCON</p>	
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6. ACCIDENTAL RELEASE MEASURES

Clean up method : On land, sweep or shovel into suitable containers. Dilute residues and flush.

7. HANDLING AND STORAGE

Storage : Store in cool & dry place with enough ventilation.
Do not store above 30 deg C and below 10 deg C.

Shelf life : 6 months from month of Manufacturing if stored as above.
Keep the container tightly sealed after every use.

Handling : Do not get in eyes.
Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.

8. EXPOSURE CONTROL/ PERSONAL PROTECTION

Personal Protection



Respiratory Protection : No special respiratory protection equipments is recommended under normal conditions of use with adequate ventilation

Skin protection : Wear gloves.

Eye protection : Even though no specific eye irritation data is available, wear eye protection appropriate to conditions of use when handling this material.

Ingestion : Ingestion unlikely.

Industrial Hygiene : Provide adequate ventilation to minimize dust and /or vapor concentration.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Nature : Flowable liquid


Appearance : off white to pale brown liquid

Odour : Pleasant Organic Odour

Solubility in water @ 25° C : Soluble

pH (5% by pH meter) : 2.0– 4.5

Specific Gravity @ 25°C- 30°C : 0.99 – 1.05

Page - 3 -	<p style="text-align: center;">SAFETY DATA SHEET (According to 1907/2006/EC)</p> <p style="text-align: center;">HYDROCON</p>	
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DATE – May 2019		

10. STABILITY AND REACTIVITY

Hazardous decomposition products : None under normal conditions
Hazardous reactions : None under normal conditions
Hazardous properties : None under normal conditions

11. TOXICOLOGICAL INFORMATION

Rat oral LD50 (mg/kg) : > 2000 estimated value from available datas.
Rat inhalation LC 50 (mg/kg) : No data available

12. ECOLOGICAL INFORMATION

The product is a emulsion of high molecular, liquid polymer and is characterized by a very low vapour pressure. It can enter the atmosphere only as an Aerosol.

Investigations showed that siloxane does not have toxic effect on sludge organism. Tests showed that siloxane containing sludge brought on agriculture soil did not give negative effects on ground organisms, earthworm and the following growth of the plants.

In the ground siloxane is decomposed into small silicones molecules abiotically. These small silicone molecules are decomposed biologically in the soil or evaporate from the soil and are decomposed in the atmosphere under the influence of light. Under suitable conditions the following decomposition products are obtained;

Carbondioxide, inorganic silicones and water vapour.


The size of high molecular siloxane molecule prevents the absorption into or passage through biological membranes.

Owing to the low water solubility of siloxane, OECD 302 B standard procedure for testing BIOELIMINATION is applied.

fish LC50 (mg/kg) : > 100 estimated value from available datas.
Biodegradability : good eliminable.

13. DISPOSAL CONSIDERATION

General : Dispose in a safe manner in accordance with local/national regulations.

Page - 4 -	<p style="text-align: center;">SAFETY DATA SHEET (According to 1907/2006/EC)</p> <p style="text-align: center;">HYDROCON</p>	
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14. TRANSPORT INFORMATION

General information : Not regulated

15. REGULATORY INFORMATION

Symbol(s) : None
R-phrase(s) : None
S-Phrase(s) : S20/21 – When using, do not eat, drink or smoke.
S28 – After contact with skin, wash immediately with plenty of water.

16. OTHER INFORMATION

Further information : NONE