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Revised edition no. : 2	
DATE – June 2018	

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

Product Name : ULTRASIL Micro
Use of the substance/preparation : To achieve high wicking and good hydrophilicity.
Manufacturer / Supplier : H.O.: BRITACEL SILICONES LTD
F-18, STREET NO.23, MIDC, MAROL,
ANDHERI (E), MUMBAI – 400 093.

Fact :
PLOT NO. L –124, 125 & 126,
VERNA INDUSTRIAL ESTATE,
VERNA PHASE – III, GOA – 403 772.

Contact : Customer service : +91 22 40094000
Product Disposal Information: +91 832 278 2929
+91 832 278 3939

Emergency information : Email- bsl@britacelsilicones.com
: Emergency Telephone: +91 22 4009 4002

2. HAZARDOUS IDENTIFICATION

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

None of the ingredients are classified as dangerous in the preparation **ULTRASIL Micro**

4. FIRST AID MEASURES

- Inhalation : P301 + P313 if inhaled get medical advice.
- Skin contact : P332 + P351 if skin irritation occurs rinse continuously with water for several mins.
- Eye contact : P305+P351+P338.If eye irritation occurs rinse continuously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing.
- Ingestion : P 301 + P330 +P313 if swallowed rinse mouth get medical advice.

5. FIRE-FIGHTING MEASURES

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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.

6. ACCIDENTAL RELEASE MEASURES

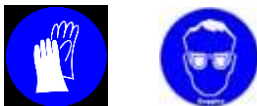
Clean up method	: On land, sweep or shovel into suitable containers. Dilute residues and flush.
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7. HANDLING AND STORAGE

Storage	: P404 + P 411 +P271. Store in closed container. Store at temperature not exceeding 30°C. store in well ventilated area.
Handling	: P 280 wear protective gloves/ eye protection. Keep container closed use with adequate ventilation. P 264 wash thoroughly after handling.

8. EXPOSURE CONTROL/ PERSONAL PROTECTION

Personal Protection



P 262 do not get in eyes, on skin or on clothing.

Respiratory Protection	: No special respiratory protection equipments is recommended under normal conditions of use with adequate ventilation
Skin protection	: Wear gloves.
Eye protection	: Wear eye protection appropriate to conditions of use when handling this material.
Ingestion	: Ingestion unlikely. P301 + P330 +P313. If swallowed rinse mouth, get medical advice.
Industrial Hygiene	: P271 use outdoors or in a well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Ionic Character	: Pseudo Cationic
Physical Nature	: Oily liquid
Appearance	: Viscous oily liquid

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Odour	: Organic Silicone
Solubility in water @ 25° C	: Readily soluble
Specific Gravity @ 25° C	: 0.99 – 1.05
pH (1% Soution)	: 6 – 9
Solid Content	: 80 ±5%
Flash point	: > 100° C

10. STABILITY AND REACTIVITY

Chemical Stability	: Generally stable under normal condition of handling and storage without any contamination.
Condition to avoid	: Heating above 30°C.
Incompatibility with other materials.	: Strong acids, alkalies, chelating agents.
Hazardous decomposition products	: No hazardous decomposition occurs
Hazardous Polymerisation	: Temperature above 175°C polymerization occurs.
Effect of weather (Humidity, Oxygen, Carbon dioxide)	: No effect, but keep container close.

11. TOXICOLOGICAL INFORMATION

Rat oral LD50 (mg/kg)	: > 5000 estimated value from available datas.
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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 silicone and water vapour.

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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 : >70%

13. DISPOSAL CONSIDERATION

General : P501 dispose of contents / container in a safe manner in accordance with local / natural regulations.

14. TRANSPORT INFORMATION

General information : Not regulated

15. REGULATORY INFORMATION

Symbol(s)



H statements : Health Hazards: H320 may cause eye irritation in few cases.

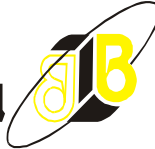
P statements. : **Prevention precautionary statements.**
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash thoroughly after handling
P271 Use only outdoors or in a well ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection

Responses precautionary statements
P301 +P313 if swallowed, get medical advice/attention
P305 + P351 if in eyes, rinse continuously with water for several minutes.
P330 + P332 rinse mouth, if skin irritation occurs
P338 remove contact lenses if present and easy to do. Continue rinsing

Storage precautionary statements
P404 + P411 + P271 store in a closed container at temperature not exceeding 30°C. store in well ventilated area.

16. OTHER INFORMATION

Further information :

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- Bath Stable up to pH 12
- Stable to hardwater up to 1000 ppm
- Bath with optical brightener up to 25 gpl is stable for 24 hrs
- Compatible with Cationic dye fixing agent, Pigment tinting agent.
- Not stable with some cationic finishing products. Customer has to test its own combination recipes of Cationic with Ultrasil Micro

The information contained is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.