

**Triton Chemical Manufacturing Co.Ltd.**

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as Hazardous

MSDS Ref: TR

Publication date

Revision date

02/07/2001**1. PRODUCT NAME: TRITON SBR****2. COMPOSITION** Styrene/butadiene polymer dispersion in water**3. HAZARD IDENTIFICATION** This product is not hazardous according to EEC criteria.**4. FIRST AID MEASURES**

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

SWALLOWING No adverse effects anticipated by this route of exposure incidental to proper industrial handling.**EYES** Irrigate immediately with water for at least 5 minutes,**INHALATION** No adverse effects anticipated by this route of exposure.**SKIN** Wash off in flowing water or shower.**5. FIRE-FIGHTING MEASURES**

This product is an aqueous dispersion, unless dried it will not burn.

EXTINGUISHING MEDIA Water fog, Carbon Dioxide, Foam, Dry Chemicals.**HAZARDOUS COMBUSTION PRODUCTS** Upon burning, the dry product generates dense black smoke.**PROTECTION OF FIREFIGHTERS** Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing, (includes fire fighting helmet, coat, pants, boots and gloves).**6. ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS** Wear adequate personal protective equipment. See Section 8, Exposure Controls/Personal Protection.**ENVIRONMENTAL PRECAUTIONS** Prevent contamination of surface and groundwater.**METHODS OF CLEANING UP** Small spills may be flushed away with large quantities of water. Large spills should be contained and recovered if possible; if not possible divert spill to pond and allow to dry.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Good general ventilation should be sufficient for most conditions.

STORAGE INFORMATION

This product must be protected from freezing and exposure to temperatures exceeding 40 deg C. Store at room temperature. Product may develop bacterial odours upon long-term storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

None established.

ENGINEERING CONTROL

Good general ventilation should be sufficient for most conditions.

PERSONAL PROTECTIVE EQUIPMENT RESPIRATORY PROTECTION

For most conditions, no respiratory protection should be needed however, in misty atmospheres, use an approved mist respirator.

SKIN PROTECTION

No precautions other than clean body-covering clothing should be needed. Use impervious gloves when prolonged or frequently repeated contact could occur.

EYE/FACE PROTECTION

Use safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Emulsion	Freezing point/range	0 deg.C (water)
Colour	Milky White	Boiling point/range	100 deg.C (water)
Odour	Practically odourless	Water Solubility	miscible in all proportions
Solid content	45% (approx)	Flash point	not applicable
pH	10.5	Flammability	not applicable
Rel. density (water=1)	0.98-1.04	Auto-ignition temp	not applicable

10. STABILITY/REACTIVITY

CHEMICAL STABILITY

Stable under normal handling and storage conditions.

CONDITIONS TO AVOID

May coagulate if frozen (0 deg.C) The dry resin is combustible.

MATERIALS TO AVOID

Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.

11. TOXICOLOGICAL INFORMATION

INGESTION

Single dose oral toxicity is low. The oral LD50 for rats is >2000 mg/kg. No hazards anticipated from swallowing small amounts incidental to normal industrial handling.

(Cont'd)

11. TOXICOLOGICAL INFORMATION (cont'd)

SKIN CONTACT	The LD50 for skin absorption in rats is >2000 mg/kg. Short single exposure is not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation. Skin absorption is unlikely due to physical properties.
INHALATION	No adverse effects are anticipated from inhalation .
EYE CONTACT	May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

12. ECOLOGICAL INFORMATION

DEGRADATION	Biodegradation reached in the Closed Bottle Test (OECD Test No. 301 D) after 28 days: <10 % Latex dispersions will colour waters to a milky white.
AQUATIC TOXICITY	Acute LC50 for rainbow trout (<i>Onchorynchus mykiss</i>) is >100 mg/L. Acute EC50 for water flea (<i>Daphnia magna</i>) is 10-100 mg/L.

13. DISPOSAL CONSIDERATIONS

Dispose of according to local and national regulations.

14. TRANSPORT INFORMATION

Product is not classified for any mode of transportation.

15. REGULATORY INFORMATION

EEC Classification and User Label Information

This product does not require classification according to the criteria of the Commission of the European Communities.

16. OTHER INFORMATION

No other information

NOTICE TO CUSTOMER:-

ENSURE ALL POTENTIAL USERS OF THIS PRODUCT ARE AWARE OF THIS SDS PRIOR TO USING THE PRODUCT.

KEEP SDS IN A SAFE PLACE READILY LOCATABLE IN CASE OF FUTURE REQUIREMENT. READ THIS SDS IN CONJUNCTION WITH THE LABEL AND DIRECTIONS FOR USE ON THE PRODUCT CONTAINER.

DESTROY ALL OBSOLETE COPIES RELATING TO THIS PRODUCT

THIS SDS RELATES ONLY TO THE PRODUCT SPECIFIED.

COPIES OF THIS DOCUMENT ARE AVAILABLE ON REQUEST.

THIS SAFETY DATA SHEET IS BASED ON THE BEST OF CURRENT INFORMATION AND ADVICE AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE. NO LIABILITY CAN BE ACCEPTED FOR LOSS, DAMAGE OR INJURY AS CONDITIONS OF USE ARE OUTSIDE OUR CONTROL. THIS IS NOT A TECHNICAL SPECIFICATION.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.