

MATERIAL SAFETY DATA SHEET

1. Chemical Product and Identification of Company

Product name : BITUFLASH SBS

Product category: Water proofing membrane sheet

Company : Redwop Chemicals Pvt. Ltd.

Address : 2nd Floor, Pearl Plaza Complex, B/S GT Sheth School, Near KKV Hall, 150ft Ring Road, Rajkot- Pin.360005 Gujarat, INDIA

E: sales@redwop.net

W: www.redwop.net

: info@redwop.net

Ph.:+91 2812576664

Mo.:+91 9724655551

2. Composition or Information on Ingredient

Composition: Bitumin based compound

None of the ingredients of this product are classified as hazardous.

- All constituents of this product are listed in **EINECS** (European Inventory of Existing Commercial Chemical Substances) or **ELINCS** (European List of New Chemical Substances) or are exempt. Refer to Section 8 for Occupational Exposure Limits.

3. Hazards Identification

No significant hazard

4. First Aid Measures

Eyes : Irrigate immediately with copious quantities of water for several minutes. Obtain Medical attention if irritation persists.

Skin : Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.

Inhalation: Remove from exposure - unlikely to occur.

Ingestion : Wash out mouth with water. Do not induce vomiting. Obtain medical attention

5. Fire Fighting Measures

Special exposure hazards –bitumen

Special exposure equipment-fire extinguisher

6. Accidental Release Measure

Personal Precautions : Wear suitable protective clothing, gloves and eye/face protection.

Environmental Precautions : Prevent entry into drains, sewers and water courses. Dispose properly.

Decontamination Procedures: remove by best available means. Dispose of as waste.

7. Handling and Storage

Handling : Avoid skin and eye contact.

Storage : Protect from frost. Store away from acids.

Engineering Control Measures: Ventilation is required.

REDWOP CHEMICALS PVT. LTD.

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8. Exposure Controls or Personal Protection

Occupational Exposure Limits : None assigned

Personal Protective Equipment: Impervious gloves (e.g. PVC), Safety glasses / Goggles. Change contaminated clothing and clean before use.

9. Physical and Chemical Properties

Properties	Results	Test standard
Coating asphalt	SBS Rubber modified Asphalt	-
Softening point (°C)	115 to 125	ASTM D-36
Penetration @25°C (dmm)	20 to 35	ASTM D-5
Low temperature cold flexibility @ 0°C	-3 to -10	ASTM D-5147
Heat resistance @ 135°C	No flow	ASTM D-5147
Tensile strength (L/T) (N/5cm)	450/300	ASTM D-5147
Elongation at Break (L/T) (%)	>30/35	ASTM D-5147
Tear resistance (L/T) (N)	>300/200	ASTM D-5147 / ASTM D-4073
Puncture resistance (N)	>450	ASTM E-154
Resistance to Static / Dynamic	Static- L ₄ / Dynamic -I ₄	UEAtc 5.1.9 / UEAtc 5.1.10
Lap Joint strength (N/5cm)	Same as membrane	EN 12317
Water absorption %wt. @ 23°C (24hrs)	< 0.5	ASTM D-570
Impermeability to water	Pass	EN 1928
Dimensional stability (%)	< 1	ASTM D-6222

10. Stability and Reactivity

Stability

: Stable

Conditions to avoid

: Temperatures (°C) below 0°C

Materials to avoid

: Strong oxidizing agents. Strong acids. Strong alkalis.

Hazardous decomposition products: Bitumin based compounds.

11. Toxicological Information

There will be no any hazardous health problem on exposure to this product but care should be taken while handling it. It has no any toxicological characteristic.

12. Ecological Information

Environmental Assessment: This product avoid any type of environmental deterioration.

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13 Disposal Consideration

Disposal must be in accordance with local and national legislation.

Unused Product : Dispose of through an authorized waste contractor to a licensed site.

Used/Contaminated Product: Dispose according to rules

14. Transportation

The product is safe to transport from one place to other as it is supplied in safe and eco-friendly containers.

15. Regulatory Information

Safety Phrases: Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. Other Information

This material safety data sheet is made in accordance with product's characters. It has no any changes in safety and hazards information mentioned above as our product knowledge.

Disclaimer:

We, Redwop Chemical Pvt.Ltd. hereby declare that the information provided in this data sheet are true and correct to the best of our knowlwdge. The material safety data sheet is made available by Redwop Chemical Pvt.Ltd. to give general information and understanding of the safety and health hazards during the use of this product.