

MSDS

Material Safety Data Sheets

Material Safety Data Sheet

Bitumen Emulsion

1. Chemical Product Identification

Product Name: Bitumen Emulsion

Supplier: Zista Group

Product Identifier: Bitumen Emulsion

2. Composition/Information on Ingredients

A bituminous water-proofing emulsion:

- **CAS No:** 64742-93-4
- **Chemical Name:** Bitumen
- **Weight %:** 50-60

3. Hazards Identification

No major hazard exists. It is, however, advised that the product is used in well-ventilated areas, and prolonged exposure to the fumes avoided. Repeated or prolonged skin exposure should be avoided.

4. First Aid Measures

- **Inhalation:** Remove to fresh air. If discomfort persists, seek medical advice.
- **Skin contact:** Remove contamination with proprietary skin cleaner, followed by washing with soap and water. This procedure should also be followed prior to eating, drinking, smoking and toilet functions.
- **Eye contact:** Irrigate immediately with clean water for 15 minutes. If irritation persists obtain medical attention.
- **Ingestion:** If swallowed, seek medical advice immediately. Do not induce vomiting.

5. Fire-fighting Measures

Material is not flammable, but in a fire could give off toxic fumes.

MSDS

Material Safety Data Sheets

- **Suitable extinguishing media:** Dry powder, CO2, foam, sand, and earth
- **Unsuitable extinguishing media:** Never use water jet
- **Special exposure hazards in fires:** None known
- **Required special protective equipment for fire fighters:** Wear suitable protective clothing and use self-contained breathing apparatus

6. Accidental Release Measures

Precautions: Stem flow of spilled material. Material should be mopped up immediately with an inert absorbent material such as sand, earth etc. Prevent spills from entering sewers and drains. Dispose of at an appropriate licensed waste disposal site in accordance with current laws and regulations.

7. Handling and Storage

- **Handling:** Ensure adequate ventilation
- **Storage:** Store between 5° and 30°C. It should be stored under cover out of direct sunlight and away from sources of heat and ignition. Protect from frost.

8. Exposure Controls/Personal Protection

- **Respiratory protection:** Should not be necessary with adequate ventilation.
- **Hand protection:** Wear suitable impervious gloves
- **Skin protection:** Appropriate protective clothing
- **Eye protection:** Appropriate chemical resistant goggles

9. Physical and Chemical Properties

Appearance	<i>Brown Emulsion</i>
Odor	<i>Ammoniacal</i>
PH	<i>approx. 10</i>
Boiling Point	<i>100⁰C</i>

MSDS

Material Safety Data Sheets

Melting Point	0 ^o C
Melting Point Range	not applicable
Flash point (°C) – closed cup	not applicable
Flammability	not applicable
Auto-Flammability	not applicable
Explosive properties	none
Oxidizing properties	not applicable
Vapor pressure	not determined
Relative density	approx. 1.0
Solubility (water)	completely miscible

10. Stability and Reactivity

Stable under normal conditions. Avoid excessive heat.

Hazardous decomposition products: Carbon dioxide, carbon monoxide, oxides of sulfur.

11. Toxicological Information

Not considered toxic by skin contact. Short-term exposure may lead to irritation. Long term exposure may lead to dermatitis.

12. Ecological Information

The preparation has not been tested. However, it will emulsify and disperse in water. With its slow rate of biodegradation bitumen can cause interference with the normal functioning of ecological cycles. Bitumen emulsions should therefore be contained and spills avoided.

13. Disposal Considerations

Disposal of material should be by incineration in accordance with local regulations. Packaging should be similarly disposed of.

14. Transport Information

This product is not classified as a Hazardous Material under U.S. DOT and Canadian TDG regulation.

MSDS

Material Safety Data Sheets

15. Regulatory Information

- **OSHA/MSHA Hazard Communication:**

This product is considered by OSHA/MSHA to be a hazardous chemical and should be included in the employer's hazard communication program.

- **CERCLA/SUPERFUND:**

This product is not listed as a CERCLA hazardous substance.

- **EPCRA SARA Title III:**

This product has been reviewed according to the EPA Hazard Categories promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 and is considered to be an acute health hazard (irritation).

- **EPCRA SARA Section 313:**

This product contains none of the substances subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

- **RCRA:**

If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristics. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

- **TSCA:**

This product and/or its components are listed on the Toxic Substances Control Act) TSCA inventory.

16. Disclaimer of Expressed and Implied Warranties

The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.