

MATERIAL SAFETY DATA SHEET

IBM® Styrene/Acrylic Emulsion

Overview

- Styrene Acrylic Emulsion Products for Building and Construction Applications are water based, emulsion copolymers of styrene and various acrylic monomers that are milky-white liquids with an ammonia or acrylic odor.
- These products are used in concrete and roofing applications to improve or provide Flexibility, heat salability, salt stability, and/or water resistance.
- Worker exposure to these products is possible during manufacture, formulation, transport, application, or use. They are primarily for industrial or commercial application, but individual consumers may use materials that contain these products.
- Eye or skin contact with these products can result in slight irritation. Inhalation of vapor or mist can cause headache, nausea, and irritation of nose, throat, and lungs.
- The copolymers in these products have limited biodegradability, but would likely adsorb onto soil, suspended solids, or sediments in the environment, and would be removed by biological wastewater-treatment facilities via adsorption to bio solids. They are high molecular weight copolymers and are not likely to accumulate in the food chain (bio concentrate). Based on relevant data for similar products, these products are considered practically nontoxic to aquatic organisms on an acute basis.
- These products are stable under recommended storage and normal use conditions. They do not undergo any known hazardous reactions.

Description

Styrene Acrylic Emulsion Products for Building and Construction Applications are water-based emulsion copolymers of styrene and various acrylic monomers that are milky-white liquids with an ammonia or acrylic odor. They range from 40% to 60% solids depending on the product.

Uses

Styrene Acrylic Emulsion Products for Building and Construction Applications are used in concrete and roofing applications. They are used primarily in industrial and commercial applications as additives to adhesives, binders, and concrete mixtures, coating mixtures, and/or sealing mixtures to improve or provide flexibility, heat salability, salt stability, and/or water resistance.

Examples of uses for these emulsions include:

- **Architectural binder coatings**
- **Cement mortar and concrete additives**
- **Concrete membrane applications**
- **Concrete sealing**
- **Roof maintenance coatings**

TECHNICAL DATA SHEET

IBM® Styrene/Acrylic Emulsion

Technical Details

Styrene Acrylic Emulsion is an APEO free & Formaldehyde free Styrene-Acrylic Co-Polymer emulsion engineered for various applications like, interior and exterior decorative coatings, primers, masonry paints etc.

TYPICAL PROPERTIES:

▪ Appearance	: Bluish White Emulsion.
▪ Solid Content	: 50 ±1%
▪ Viscosity (Brookfield RVT, spindle # 2/50 rpm @25°C)	: 2 - 8 Poise.
▪ pH	: 7.5 – 8.5
▪ Specific Gravity	: 1.06 ±0.01
▪ Particle Size	: 0.1 - 0.15 µ
▪ MFFT	: 18 ±1 °C
▪ Film Properties	: Clear & Tack Free.

MAIN PROPERTIES:

Styrene Acrylic Emulsion is a low viscosity product for easy incorporation and low stock loss. Styrene Acrylic Emulsion is distinguished by its high binding power and is especially suitable for the formulation of high to low PVC interior & exterior paints with good wet scrub resistance.

Handling & Safety

Styrene Acrylic Emulsion is water-based emulsion & is non-toxic under normal use conditions.

Storage Condition

Styrene Acrylic Emulsion should be stored in the original and unopened containers for no longer than 6 months at a temperature between 5 and 40°C. Container once opened should be shut tightly to prevent contamination. Styrene Acrylic Emulsion contains biocide for protection during storage, but also it is strongly recommended that additional biocide to be added to the formulated products to ensure proper bio-protection.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your IBM Technical Representative for more information.

**Chemical
Registration**

Many countries require the registration of chemicals, either imported or produced locally, prior to their commercial use. Violation of these regulations may lead to substantial penalties imposed upon the user, the importer or manufacturer, and/or cessation of supply. It is in your interests to ensure that all chemicals used by you are registered. IBM does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

**Product
Stewardship**

IBM has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with IBM products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

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