



Safety Data Sheet

Issue Date: 11/25/2015

Revision Date: N/a

Version: 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Name: Foam-X

Recommended use of the chemical and restrictions on use

Recommended use: Defoamer

Details of the supplier of the safety data sheet

Company

Regal Chemical Company
600 Branch Dr.,
Alpharetta, GA 30004

Emergency telephone number

Company Telephone: (770) 475-4837

Emergency Telephone: Chemtrec 1-800-262-8200

2. Hazardous Identification

Classification: Not classified

Signal Word (OSHA): Not classified

Hazard Statements: No known significant effects or critical hazards.

Precautionary Statements: Not applicable

Other Hazard Statements: None known

3. Composition/Information on Ingredients

Substance/mixture: Mixture

Chemical name: Polydimethylsiloxane Emulsion

Hazardous Ingredients	% by weight	CAS Number
Polyoxyethylene Monostearate	1-5	Trade Secret

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.



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4. First Aid Measures

First aid measures:

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Indication of any immediate medical attention and special treatment needed:

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

Protection of first aid personnel: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: Use dry chemical, CO₂, alcohol-resistant foam or water spray (fog).

Unsuitable extinguishing media: Water jet

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products: Decomposition products may include the following materials:

- Carbon dioxide
- Carbon monoxide
- Silicon oxides

Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.



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Special protective actions for firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment for fire-fighters: Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Small Spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

Large Spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13 of SDS). Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

7. Handling and Storage

Precautions for safe handling:

Protective measures: Put on appropriate personal protective equipment (see section 8 of SDS).

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.



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Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

Ingredient name	Exposure limits
Polyoxyethylene monostearate	ACGIH TLV (1996-05-18) Time weighted Average (TWA) 10 mg/m ³

Appropriate engineering controls:

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures:

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.



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Respiratory protection: If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910. 134). Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State: Liquid

Color: White

Odor: Faint odor

Odor threshold: Not available

Property

Values

pH:

Not available

Melting point / Freezing Point

0°C (32.00°F) Approx.

Boiling Point / Boiling Range

> 100°C (212.00°F) Mixture

Flash Point (Test Method)

Aqueous Solution does not flash

Flammability (solid, gas)

Not available

Flammability Limits (% in air)

Not available

Vapor Pressure

<26.6 hPa @ 20° C (68.00°F)

Vapor Density

Vapors are heavier than air and may spread near ground to sources

Relative Density

Not available

Density

0.9899 g/cm³

Solubility(ies)

Not available

Solubility in water

Dispersible

Partition Coefficient: n-octanol/water

Not available

Autoignition Temperature

Not available

Decomposition Temperature

Not available

Viscosity

Not available

Volatile organic content

5.98 g/l

Other

No additional information

10. Stability and Reactivity

Reactivity: Stable under normal conditions.

Chemical Stability: The product is stable

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: No specific data

Incompatible Materials: No specific data

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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11. Toxicological Information

Information on toxicological effects

Acute toxicity: Not determined

Irritation Corrosion:

Skin: Not determined

Eyes: Not determined

Respiratory: Not determined

Sensitization:

Skin: Not determined

Respiratory: Not determined

Mutagenicity: Not determined

Carcinogenicity: Not determined

Reproductive toxicity: Not determined

Teratogenicity: Not determined

Specific target organ toxicity (single exposure)

Product/Ingredient Name	Category	Route of Exposure	Target organs
Polyoxyethylene monostearate	Category 3		Respiratory tract irritation

Specific target organ toxicity (single exposure): Not available

Aspiration hazard: Not available

Information on likely routes of exposure: Not available

Potential acute health effects

Eye contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No specific data

Inhalation: No specific data

Skin Contact: No specific data

Ingestion: No specific data

Delayed and immediate effects and also chronic effects from short and long term exposure



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Short term exposure

Potential immediate effects: Not available

Potential delayed effects: Not available

Long Term Exposure:

Potential immediate effects: Not available

Potential delayed effects: Not available

Potential chronic health effects

Conclusion/summary: Not determined

General: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Acute toxicity estimates: Not available

12. Ecological Information

Ecotoxicity: Not available

Persistence and degradability: Not available

Mobility in soil

Soil/water partition coefficient (KOC): Not available

Other adverse effects: No known significant effects or critical hazards.

13. Disposal Considerations

Waste treatment methods

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirement of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport Information

Special precautions for user: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.



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15. Regulatory Information

United States

U.S. Federal Regulations:

United States – TSCA 12(b) – Chemical export notification: None required

United States – TSCA 5(a)2 – Final significant new use rules: Not listed

United States – TSCA 5(a)2 – Proposed significant new use rules: Not listed

United States – TSCA 5(e) – Substances consent order: Not listed

SARA 311/312

Classification: Not applicable

California Prop. 65: None required

Canada

WHMIS (Canada): Not controlled under WHMIS (Canada).

International regulations

International lists:

Australia inventory (AICS): All components are listed or exempted.

Canada inventory: All components are listed or exempted.

Japan inventory: All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Korea inventory: All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

United States inventory (TSCA 8b): All components are listed or exempted.

New Zealand Inventory (NZIoC): All components are listed or exempted.

Taiwan inventory (CSNN): At least one component is not listed.

16. Other Information

Full text of abbreviated H statements: Not applicable.

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