

MATERIAL SAFETY DATA SHEET
IDENTITY- BUCKEYE 3% TRAINING FOAM

SECTION I. Chemical Product and Company Identification

Product Name: Buckeye 3% Training Foam (BFC-3T)
Synonym: Training Foam
Manufacturer: Buckeye Fire Equipment Company
110 Kings Road
Kings Mountain, NC 28086
Telephone: 704.739.7415
Emergency: CHEMTREC 1.800.424.9300

Revision Date: 11/20/08

SECTION II. Hazard Identification and Emergency Overview

Emergency Overview: None of the chemicals in this product are under SARA reporting requirements or have SARA Threshold Planning Quantities or CERCLA Reportable Quantities. This product is not defined as hazardous under U.S. Department of Transportation 49 CFR 172 or by Transport Canada "Transportation of Dangerous Goods" regulations.

Appearance: Pale yellow water-based liquid solution, mild sweet odor.

Adverse Health Effects and Symptoms: No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet. Symptoms that may arise if the product is mishandled are irritation to the skin and eyes, coughing or sore throat if ingested. Central nervous system effects may occur if ingested.

Hazard Symbols:

HMIS RATINGS:

Health 1
Flammability 0
Reactivity 0

Personal Protective Equipment: use eye protection, gloves, and appropriate skin protection (See Section 8)

WHMIS (Canadian Workplace Hazardous Materials Identification)
D2B- May irritate eyes, mucous membranes, or skin

SECTION III. Composition/Information on Ingredients

| | <u>Weight %*</u> | <u>CAS #</u> |
|--|------------------|--------------|
| Water | > 80 | 7732-18-5 |
| Hexylene Glycol | 10 | 107-41-5 |
| Proprietary mixture of fluorosurfactants and hydrocarbon surfactants | < 10 | N/A |

* % is rounded to the nearest appropriate number. Values are not to be considered product specifications

SECTION IV. First Aid Measures

Eye Exposure- Flush eyes at eye wash station for 15 minutes and repeat until pain-free. If irritation develops or persists or vision changes occur, seek medical attention.

Skin Exposure- Wash with plenty of soap and water. If irritation develops or persists, seek medical attention.

Inhalation- Not anticipated to be a route of exposure. If irritation develops move victim to fresh air and if it persists, seek medical attention.

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Ingestion- If victim is conscious and alert, give 2-3 glasses of water to drink. Do not leave victim unattended. Seek immediate medical attention. On the advice of medical personnel, induce vomiting. If vomiting occurs and the victim is conscious, give additional water to further dilute the chemical. Prevent aspiration of swallowed product by laying victim on side with head lower than their waist.

Medical Conditions Possibly Aggravated by Exposure- Skin contact may aggravate existing chronic skin conditions.

SECTION V. Firefighting Measures

Extinguishing Media: N/A. This product is an extinguishing agent. It is nonflammable and noncombustible.

Special Firefighting Procedures: N/A

Unusual Fire and Explosion Hazards: This product may decompose in fire and release oxides of sulfur and nitrogen (Refer to Section X).

Sensitivity to Mechanical Impact or Static Discharge: None

SECTION VI. Accidental Release Measures

Large spills (1 drum or more) should be addressed by hazardous materials technicians following a site-specific emergency response plan and trained in the appropriate use of personal protection equipment. Clean up released product using absorbent socks for containment followed by absorbent material within the containment. If deemed necessary, wear appropriate APR for amines/glycol ethers (See Section VIII). Bag and drum for disposal. If product is used on a fire and/or contaminated, use personal protection equipment and containment appropriate to the nature of the mixture. Prevent material from entering waterways. Handle and dispose of as a hazardous waste unless testing indicates otherwise. Decontaminate with detergent and water.

SECTION VII. Handling and Storage

Avoid eye, respiratory, and skin exposure. Use the appropriate personal protective equipment when handling. Wash thoroughly after handling (Refer to Section VIII). Product should be stored in its original container or extinguisher. Use in well-ventilated areas. Do not mix with other extinguishing agents.

SECTION VIII. Exposure Controls and Personal Protection

Respiratory Protection: During the use of this product on fires, exhaust gases and products of incomplete combustion are the main respiratory hazards. In the manufacture of this product, employers and employees must use their collective judgment in determining the on-the-job settings where the use of a respirator is prudent. The need for respiratory protection is not likely for short-term use in well-ventilated areas. Use air-purifying respirators or powered air-purifying respirators with organic vapor and amine cartridges for acute short-term exposures. Long term exposures may require the use of positive pressure supplied air respirators or self-contained breathing apparatus.

Eye Protection: Wear chemical goggles.

Skin Protection: Use nitrile, latex, or similar gloves and coveralls. Good personal hygiene practices are essential. After handling the product, avoid food, tobacco products, or other means of transferring the product from hand to mouth until after thoroughly washing.

SECTION IX. Physical and Chemical Properties

Appearance and Odor: Pale yellow liquid solution with a mild, sweet odor.

Specific Gravity: 1.01

Boiling Point: 97° C

Flash Point: N/A

Flammability: N/A

Solubility: 100%

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SECTION X. Stability and Reactivity

Stability: Stable

Incompatibles: Strong acids, bases, and oxidizers. Reactive metals. Any material reactive with water

Decomposition Products: Not known, but oxides of sulfur and nitrogen may be formed.

Hazardous Reactions: None

SECTION XI. Toxicological Information

Routes of Entry:

| | |
|---------------|---|
| Eye Contact: | May cause mild transient irritation |
| Skin Contact: | May cause mild transient irritation and/or dermatitis |
| Inhalation: | Inhalation is not anticipated to be a problem |
| Ingestion: | Irritating to mucous membranes. Large oral doses could produce narcosis |

Chronic Toxicity: This product's ingredients are not considered as probable or suspected carcinogens by OSHA, IARC, or ACGIH.

Reproductive Toxicity: This product is not known to have any reproductive effects.

SECTION XII. Considerations for Disposal

This product is not a RCRA characteristically hazardous or listed hazardous waste. Dispose of according to state or local laws, which may be more restrictive than federal regulations. Be aware that product used on a fire may be altered or contaminated and thereby require different disposal considerations.

SECTION XIII. Transportation Information

This product is not defined as a hazardous material under U.S. Department of Transportation 49 CFR 172, or by Transport Canada "Transportation of Dangerous Goods" regulations.

SECTION XIV. Regulatory Information

International Inventory Status: Some ingredients are on the following inventories

| <u>Country</u> | <u>Agency</u> |
|----------------|---------------|
| U.S.A. | TSCA |
| Canada | DSL |
| Europe | EINECS/ELINCS |
| Australia | AICS |
| Japan | MITI |
| South Korea | KECL |

European Risk and Safety Phrases:

| | | |
|--------------------|----|--|
| EU Classification- | Xi | Irritant |
| R Phrases- | 36 | Irritating to eyes, respiratory system, and skin. |
| S Phrases- | 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice |
| | 36 | Wear suitable protective clothing |

U.S. Federal Regulatory Information:

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State Regulatory Information:

Chemicals in this product are covered under the specific State regulations noted:

| | |
|---------------|---|
| Alaska | Designated Toxic and Hazardous Substances- None |
| California | Permissible Exposure Limits for Chemical Contaminants- None |
| Florida | Substance list- None |
| Illinois | Toxic Substance List- None |
| Kansas | Section 302/303 List- None |
| Massachusetts | Substance list- None |
| Minnesota | List of Hazardous Substances- None |
| Missouri | Employer Information/Toxic Substance List- None |
| New Jersey | Right to Know Hazardous Substance List- None |
| North Dakota | List of Hazardous Chemicals, Reportable Quantities- None |
| Pennsylvania | Hazardous Substance List- None |
| Rhode Island | Hazardous Substance List- None |
| Texas | Hazardous Substance List- No |
| West Virginia | Hazardous Substance List- None |
| Wisconsin | Toxic and Hazardous Substances- None |

California Proposition 65- No component is listed on the California Proposition 65 List

SECTION XV. Other Information

This MSDS conforms to the requirements under U.S., U.K., Canadian, Australian, and EU Regulations or Standards. It conforms to the proposed 2003 ANSI Z400.1 format.

The information contained herein is given in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made.