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**1. IDENTIFICATION**

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<b>Product Name</b>	Firepower® Class “A” Foam Concentrate
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Identified uses</b>	Firefighting Foam Concentrate
<b>Restrictions on Use</b>	Class A fires only
<b>Company Identification</b>	Angus fire 141 Junny Road Angier, NC 27501
<b>Customer Information Number</b>	(919) 639-6151
<b>Emergency Telephone Number</b>	Infotrac at (800) 535-5053
<b>Issue Date</b>	May 10, 2016
<b>Supersedes Date</b>	This is the first issue.
<i>Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)</i>	

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**2. HAZARD IDENTIFICATION**

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**Hazard Classification**

Eye Damage/Irritation - Category 1  
Skin Corrosion/Irritation - Category 2  
Toxic to Reproduction - Category 1B

**Label Elements**

Hazard Symbols



Signal Word: Danger

**Hazard Statements**

Causes serious eye damage.  
Causes skin irritation.  
May damage fertility or the unborn child.

**Precautionary Statements****Prevention**

Wash hands thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

**Response**

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.  
If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.  
If exposed or concerned: Call a poison center or doctor/physician.

**Storage**

Store locked up.



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**2. HAZARD IDENTIFICATION**

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**Disposal**

Dispose of contents/container in accordance with local regulation.

**Other Hazards**

None identified.

**Specific Concentration Limits**

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	5 - 15%
Acute dermal toxicity	15 - 25%
Acute inhalation toxicity	20 - 30%
Acute aquatic toxicity	20 - 30%

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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This product is a mixture.

<b>Component</b>	<b>CAS Number</b>	<b>Concentration</b>
Water	7732-18-5	70 - 80%
Surfactant	Proprietary	1 - 10%
Alkyl Ether Sulfate	Proprietary	1 - 10%
Dipropylene Glycol Monomethyl Ether	34590-94-8	1 - 5%
Methanol	67-56-1	0.1 - <1%

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**4. FIRST- AID MEASURES**

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**Description of necessary first-aid measures**

**Eyes**

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

**Skin**

Wash skin thoroughly with soap and water. Obtain medical attention if irritation persists.

**Ingestion**

Dilute by drinking large quantities of water and obtain medical attention.

**Inhalation**

Move victim to fresh air. Obtain medical attention immediately for any breathing difficulty.

**Most important symptoms/effects, acute and delayed**

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

**Indication of immediate medical attention and special treatment needed**

**Notes to Physicians**

Treat symptomatically.

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**5. FIRE - FIGHTING MEASURES**

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**Suitable Extinguishing Media**

This preparation is used as an extinguishing agent and therefore is not a problem when trying to control a fire. Use extinguishing agent appropriate to other materials involved.



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**5. FIRE - FIGHTING MEASURES**

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**Specific hazards arising from the chemical**  
This product will foam when mixed with water.

**Special Protective Actions for Fire-Fighters**  
Wear full protective clothing and self-contained breathing apparatus as appropriate for specific fire conditions.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures**  
Wear appropriate protective clothing. Prevent skin and eye contact.

**Environmental Precautions**  
Prevent large quantities of the material from entering drains or watercourses.

**Methods and materials for containment and cleaning up**  
Contain and absorb using appropriate inert material and transfer into suitable containers for recovery or disposal.

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**7. HANDLING AND STORAGE**

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**Precautions for safe handling**  
Wear appropriate protective clothing. Prevent skin and eye contact.

**Conditions for safe storage**  
Store in original containers between 35°F and 120°F (2°C and 49°C). Storage area should be: cool - dry - well ventilated - under cover - out of direct sunlight.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Control parameters**  
Exposure limits are listed below, if they exist.

**Dipropylene Glycol Monomethyl Ether**  
ACGIH: TLV 100 ppm, 8hr; 15 min STEL 150 ppm; Skin Designation: air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.  
OSHA Z-1 PEL: 100 ppm (600 mg/m<sup>3</sup>) Limit applies to skin.

**Methanol**  
ACGIH: 200ppm 8h TWA; 250ppm 15-minute STEL.  
OSHA: 200ppm (260 mg/m<sup>3</sup>) 8h TWA.

**Appropriate engineering controls**  
Use with adequate ventilation. If this product is used in a pressurized system, there should be local procedures for the selection, training, inspection and maintenance of this equipment. When used in large volumes, use local exhaust ventilation.

**Individual protection measures**

**Respiratory Protection**

Wear respiratory protection if there is a risk of exposure. A NIOSH approved full face respirator may be worn. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.



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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Skin Protection**

Gloves

**Eye/Face Protection**

Chemical goggles or safety glasses with side shields.

**Body Protection**

Normal work wear.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance**

<b>Physical State</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	Mild, pleasant
<b>Odor Threshold</b>	No data available
<b>pH</b>	8.2
<b>Specific Gravity</b>	1.04
<b>Boiling Range/Point (°C/F)</b>	No data available
<b>Melting Point (°C/F)</b>	No data available
<b>Flash Point (°C/F)</b>	>93.3/200
<b>Vapor Pressure</b>	No data available
<b>Evaporation Rate (BuAc=1)</b>	No data available
<b>Solubility in Water</b>	Soluble
<b>Vapor Density (Air = 1)</b>	Not applicable
<b>VOC (%)</b>	No data available
<b>Partition coefficient (n-octanol/water)</b>	No data available
<b>Viscosity</b>	No data available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	No data available
<b>Upper explosive limit</b>	Not applicable
<b>Lower explosive limit</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not applicable

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**10. STABILITY AND REACTIVITY**

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**Reactivity**

No data available.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to Avoid**

Contact with incompatible materials

**Incompatible Materials**

Water reactive materials – burning metals – electrically energized equipment

**Hazardous Decomposition Products**

Oxides of carbon – alkyl mercaptans – sulfides – sulfur oxides – sodium oxides

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**11. TOXICOLOGICAL INFORMATION**

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**Acute Toxicity**

Dipropylene Glycol Monomethyl Ether

Oral LD50 (rat) >5000 mg/kg

Dermal LD5 (rabbit) >9510 mg/kg

Inhalation LC50 (rat) > 3.35 mg/l,7h, vapour, no deaths occurred at this concentration

**Specific Target Organ Toxicity (STOT) – single exposure**

No relevant studies identified.

**Specific Target Organ Toxicity (STOT) – repeat exposure**

No relevant studies identified.

**Serious Eye damage/Irritation**

Alkyl ether sulfate: Causes serious eye damage. (70% solution)

Surfactant: Severe eye irritant (based on similar material)

**Skin Corrosion/Irritation**

Alkyl ether sulfate: Causes skin irritation.

Surfactant: Irritating to skin in animal studies. (based on similar material)

**Respiratory or Skin Sensitization**

No relevant studies identified.

**Carcinogenicity**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Germ Cell Mutagenicity**

No relevant studies identified.

**Reproductive Toxicity**

Methanol: Methanol has caused birth defects in mice at doses nontoxic to the mother as well as slight behavioral effects in offspring of rats.

**Aspiration Hazard**

Not an aspiration hazard.

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

No relevant studies identified.

**Mobility in soil**

No relevant studies identified.

**Persistence/Degradability**

No relevant studies identified.

**Bioaccumulative Potential**

No relevant studies identified.

**Other adverse effects**

No relevant studies identified.



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**13. DISPOSAL CONSIDERATIONS**

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**Disposal Methods**

This product, as sold, is not a RCRA-listed waste or hazardous waste as characterized by 40 CFR 261. However, state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Therefore, applicable local and state regulatory agencies should be contacted regarding disposal of waste foam concentrate or foam/foam solution.

Concentrate

Disposal should be made in accordance with local, state and federal regulations. High temperature incineration is recommended.

Foam/Foam Solution

Do not flush to waterways. Disposal should be made in accordance with local, state and federal regulations. Discharge into a biological sewer treatment facility may be done with prior approval. Small quantities of foam solution may be absorbed onto absorbents which can then be disposed of by incineration or in accordance with local, state or federal regulations.

NOTE: Please consult National Foam for additional information regarding the disposal of foam concentrates and foam solutions.

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**14. TRANSPORT INFORMATION**

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**Shipping Information**

**Shipping Description**

**National Motor Freight Code**

Fire Extinguisher Charges or Compounds N.O.I., Class 70  
69160 Sub 0

This information is not intended to convey all transportation classifications that may apply to this product. Classifications may vary by container volume and by regional regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules when transporting this material.

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**15. REGULATORY INFORMATION**

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**United States TSCA Inventory**

All components of this product are in compliance or are exempt from inventory listing requirements of the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**Canada DSL Inventory**

All ingredients in this product have been verified for listing on the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL).

**SARA Title III Sect. 311/312 Categorization**

Immediate (Acute) Health Hazard

**SARA Title III Sect. 313**

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)**

None



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**16. OTHER INFORMATION**

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**NFPA Ratings**

NFPA Code for Health - 2  
NFPA Code for Flammability - 0  
NFPA Code for Reactivity - 0  
NFPA Code for Special Hazards - None

**Legend**

ACGIH: American Conference of Governmental Industrial Hygienists  
BOD<sub>5</sub>: Biochemical Oxygen Demand (5 day)  
CAS#: Chemical Abstracts Service Number  
COD: Chemical Oxygen Demand  
EC50: Effect Concentration 50%  
IARC: International Agency for Research on Cancer  
LC50: Lethal Concentration 50%  
LD50: Lethal Dose 50%  
N/A: Denotes no applicable information found or available  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
RQ: Reportable Quantity  
STEL: Short Term Exposure Limit  
N/A: Denotes no applicable information found or available  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
RQ: Reportable Quantity  
STEL: Short Term Exposure Limit  
TLV: Threshold Limit Value  
TSCA: Toxic Substance Control Act

Revision Date: May 10, 2016  
Replaces: This is the first issue.  
Changes made: Update to GHS classification.

**Information Source and References**

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

**Prepared By:** EnviroNet LLC.

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