

# MATERIAL SAFETY DATA SHEET

03/06/2006  
Rev. 1.9

## 1. GENERAL

Product identity : Baum's Novacool UEF  
Product application : Firefighting foam concentrate at 0.4%  
Hazard ratings : Health   1    
                  : Flammability   0    
                  : Reactivity   0    
                  : Personal protection   A  

Manufacturer : Baum's Castorine Co., Inc.  
                  : 200 Matthew Street  
                  : Rome, New York 13440  
                  : USA  
                  : 800-825-8154

## 2. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous components	OSHA PEL	ACGIH TLY	Other limits recommended	% (optional)
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The product contains no hazardous components as defined by the Occupational Safety and Health Administration's Hazard Communication Standard 29CFR 1910.1000 and 29CFR 1910.1200

### *Reportable Quantity (RQ)*

EPA Regulation 40 CFR 3029CERCLA (Section 102) : No RQ for this product.

### *Threshold Planning Quantity (TPQ)*

EPA Regulation 40 CFR 355 (SARA Sections 301-304) : No TPQ for this product.

### *Toxic Chemical Release Reporting*

EPA Regulation CFR 372 (SARA Section 313) : NONE.

### *Hazard Chemical Reporting*

EPA Regulation 40 CFR 370 (SARA Sections 311-312) : Not applicable.

## 3. PRODUCT DESCRIPTION / COMPOSITION

Novacool UEF is a blend of organic surfactants being anionic, nonionic and amphoteric surfactants.

## 4. PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling point : 212°F, 100°C  
Freezing point : 30°F, -1°C  
pH range : 6.75 - 7.80  
Typical pH : 7.10  
Specific gravity range : 1.020 - 1.050  
Typical specific gravity : 1.036  
Percent, volatile by volume (%) : Water 62.5  
Vapour pressure : Not available  
Vapour density : Not available  
Evaporation rate : Equal to water  
Solubility in water : Complete  
Refractive index of concentrate : 31.0 - 34.0° Brix  
Biodegradability: Fully  
Toxicity : Non-toxic in use solution when applied in accordance with accepted firefighting

Fluorocarbons : procedure  
Shelf life : **NONE**  
Appearance & odor : 10 years  
: Light yellow liquid, faintly aromatic

## **5. REACTIVITY DATA**

Stability : Stable  
Incompatibility  
(materials to avoid) : Strong oxidizers and acids  
Hazardous polymer-  
ization : Will not occur  
Conditions to avoid : None known

## **6. HAZARD DATA**

### **FIRE & EXPLOSION HAZARD**

Flash point (method  
used) : None  
Flammable limits : Not applicable  
Extinguishing media : Not applicable  
Special firefighting  
procedures : Not applicable  
Unusual fire &  
explosion hazards : None

### **HEALTH HAZARDS (acute and chronic)**

Inhalation toxicity : Vapor may cause irritation  
Skin irritation : Prolonged contact may cause irritation. No irritation anticipated  
from acute exposure.  
Eye irritation : Alcohol Ether Sulfate 35%, causes mild to moderate eye irritation.  
No permanent damage anticipated from acute exposure.  
Sensitizer : No.  
Dot Corrosive : No.  
Ingestion : Ingestion of concentrate will cause gastro intestinal irritation. No effects of  
exposure when product is used at normal dilution of 2 parts Novacool UEF to 500  
parts water.

### **CARCINOGENICITY**

NTP : No.  
IARC Monographs : No.  
OSHA Regulated : No.  
Signs and symptoms  
of exposure : Redness and irritation to eyes if washout precautions are not taken.

### **MEDICAL CONDITIONS**

Generally aggravated  
by exposure : None known.

### **EMERGENCY FIRST AID PROCEDURES**

Inhalation : Remove to fresh air.  
Skin : For all foreign materials, wash after exposure.  
Eyes : Immediately flush eyes with plenty of water for at least 15 minutes.  
Call a physician.  
Ingestion : Give patient plenty of water, two (2) glasses. Call a physician or poison control center  
Never give anything by mouth to an unconscious person. Do not induce vomiting unless  
directed by a physician.

## **7. PRECAUTIONS FOR SAFE HANDLING AND USE**

### **Steps to be taken in case material is released or spilled:**

Absorb with earth, sand or similar inert material and dispose of with solid wastes according to federal, state and local regulations. Flush spill area with water. Product is biodegradable and non-hazardous.

Waste disposal method:

Dispose of with liquid waste according to federal, state and local regulations.

Precautions to be taken in handling and storing:

Transportation data domestic -	DOT Shipping name	: Not regulated
DOT Hazard class -	Hazardous ingredients	: None
	UN Number	: None

Other precautions:

Transportation data export -	Export shipping name	: Not regulated
Export Hazard class -	Hazardous ingredients	: None
	UN Number	: None

**8. CONTROL MEASURES**

Respiratory protection : Not required  
Ventilation local exhaust: Not required  
Mechanical (general) : Not required  
Protective gloves : Not required  
Eye protection : Chemical goggles  
Other protective clothing  
or equipment : None required  
Work/hygenic practices : For all foreign materials, wash after exposure