

MATERIAL SAFETY DATA SHEET

June 15, 2006
Rev. 1.3

1. GENERAL

Product identity : Novacool WLF
Product application : Firefighting foam concentrate at 1.0%
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

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 302.9 CERCLA (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 WLF 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 - 7.10

Typical pH : 7.00

Specific gravity range : 1.015 - 1.025

Typical specific gravity : 1.019

Percent, volatile by

volume (%) : Water 76.78

Vapour pressure : Not determined

Vapour density : Not determined

Evaporation rate : Equal to water

Solubility in water : Complete

Refractive index of

concentrate : 13.0 - 15.0° Brix

Biodegradability : Fully

Toxicity : Non-toxic in use solution when applied in accordance with accepted firefighting procedure
Fluorocarbons : **NONE**
Shelf life : 10 years
Appearance & odor : Light yellow liquid, faintly aromatic

5. REACTIVITY DATA

Stability : Stable
Incompatibility (materials to avoid) : Strong oxidizers and acids
Hazardous polymerization : 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 : No
Skin irritation : No.
Eye irritation : May cause mild to moderate eye irritation.
No permanent damage anticipated from acute exposure.
Sensitizer : No.
Dot Corrosive : No.
Ingestion : No effects of exposure when product is used at normal dilution 1%

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 : General precautionary measures: give two (2) glasses of water 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