1. Product and Company Identification

Identity (as used on label & list):	**Baum's Novacool RTU FP**
Product Description:	Water Soluble Surfactants, Freeze depressants and Water
Intended Use:	Firefighting foam solution for use on class A fires and class B fires as supplied.
Manufacturer:	Baum's Castorine Co., Inc. 200 Matthew Street Rome, New York 13440 USA 800-825-8154

2. Hazards Identification

Hazardous Classification:

Pictogram: None

Signal word: None

Under conditions of intended use this product is not considered hazardous and does not pose a risk to health.

Overview; Ingredients not listed as a carcinogen by IARC, NTP, or OSHA

DOT Hazard Class: Not Applicable
Threshold Value Limit (TLV): Not Determined

Signs and Symptoms of Exposure:

Eyes	May cause eye irritation, No permanent damage anticipated from acute exposure.
Skin	may cause skin irritation, No permanent damage anticipated from acute exposure. Prolonged contact with product may cause discomfort.
Ingestion	Not expected to be a primary route of exposure, will produce gastrointestinal discomfort, nausea, vomiting, diarrhea
Inhalation	Not expected to be a primary route of exposure, vapors or mists in unusually high concentration, in poorly ventilated areas may cause irritation of nose and throat characterized by coughing. Aspiration of liquid will cause irritation to respiratory tract.

3. Composition/ Information on Ingredients

Novacool RTU FP is a blend of organic surfactants being anionic, nonionic, amphoteric surfactants and Freeze depressants. Novacool UEF does not contain PFOS or PFOA.

4. First Aid Measures

Inhalation:	Remove to fresh air. If irritation persists, seek medical attention. If breathing has stopped, assist ventilation with a mechanical device or use rescue breathing with a pocket mask.
Skin:	Wash skin with water. remove all contaminated clothes and shoes. Thoroughly clean clothes and shoes before reuse. Consult a physician if irritation develops.
Eyes:	Flush with water for 15 minutes. If eye irritation persists, seek medical attention.
Ingestion:	If swallowed, get immediate medical attention or advice. If victim is conscious and able to swallow, give large amounts of water. Do not give anything by mouth to the person who is unconscious or convulsing. Do not induce vomiting unless directed by a physician.

5. Fire Fighting Measures

Flash Point	Not Applicable
Auto Ignition Temperature:	Not Applicable
Flammable Limits	Not Applicable
Classification	Not Flammable
Extinguishing Media	Not Applicable

Special Fire Fighting Procedures: NFPA Code: Health 1, Fire 0, Reactivity 0
Use water spray to cool fire-exposed surfaces to prevent over-pressure of containers and to protect personnel. Use air-supplied breathing equipment for enclosed areas.

6. Accidental Release Measures

Containment Procedures Stop flow of material if without risk. Dike spill with inert absorbent. Block any potential routes to water systems, sewers, streams, lakes, etc.

Clean-Up Procedures Wear appropriate protective equipment and clothing. Absorb with inert absorbent, shovel material into appropriate container for disposal.

Evacuation Procedures Keep unnecessary personnel away.

7. Handling and Storage

Handling Procedures Avoid contact with skin and eyes. Observe good industrial hygiene practices and wash thoroughly after handling.

Technical Measures Work practices should minimize contact.

Technical Precautions Local exhaust is normally not required unless the process produces a mist.

Storage Procedures Store in tightly closed original container, in well ventilated place, away from strong acids. Prevent from freezing. If frozen, move to warn area.

8. Exposure Controls/ Personal Protection

Ventilation Engineering Controls: Ventilation should effectively remove and prevent any buildup of any vapor or mist generated from the use of this product

Personal Protection Equipment (PPE)

Respiratory Protection: If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA rated respiratory protection must be provided.

Skin Protection: Use Impervious gloves. Use of impervious apron and boots are recommended

Eye/Face Protection: Wear safety glasses, chemical goggles or a full face shield.

Other Protective Clothing / Equipment: None.

9. Physical and Chemical Properties

Physical State	Liquid
Appearance and Color	Water white
Freezing Point	-40^{O}F, -40^{O}C
Boiling Point approximately	212^{O} F, 100^{O}C
Odor	FaintlyAmmoniacal
Vapor Pressure (mmHg)	equivalent to water
Vapor Density (air= 1) less than	equivalent to water
Solubility in Water	Complete

Specific Gravity (H_2O= 1) approximately	1.036
Weight/Gallon(lb.)	8.64
Burning Properties	Oxides of carbon and nitrogen may be produced after all moisture is boiled off.
Flammability	Not Flammable
Explosive Properties	Not Explosive
Flashpoint	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
pH range	7.8 – 8.6
Typical pH	8.20
Refractive index	35.0-37.0^{O} Brix
Evaporation Rate (water= 1)	< 1
Viscosity@ 40^{O}C	≈ 29 cSt.

10. Stability and Reactivity

Chemical Stability:	This is a chemically stable material.
Conditions to Avoid:	Heat from fire sufficient to overpressure container.
Materials to Avoid:	Strong acids and oxidizers
Hazardous Decomposition or Byproducts:	Material will not decompose in use or storage. Oxides of carbon, nitrogen may be produced after all moisture is boiled off in a fire.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Eyes	Will cause irritation and conjunctivitis depending on length of exposure, solution concentration and first aid measures provided.
Skin	Prolonged contact with product may cause discomfort, no adverse effects expected form absorption of material through skin
Ingestion	Not expected to be a primary route of exposure. Rat oral LD_{50} is greater than 5000milligrams/kilogram of body weight
Inhalation	Vapors or mists in unusually high concentration, in poorly ventilated areas may cause irritation of nose and throat.

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

12. Ecological Information

The product is not expected to be hazardous to the environment.

Mobility: This product is soluble in water and will spread in water systems

Degradability: All components are inherently bio-degradable.

13. Disposal Considerations

Waste Material Disposal of in accordance with Local, State and Provincial Environmental Regulations.

Treat container as residue.

14. Transport Information

Not Regulated

15. Regulatory Information

DOT Hazard Class:	Not regulated
EPA Hazardous Substances:	None
SARA 311/312 Hazards:	Immediate (Acute) Health Hazard
SARA Title III:	none
California Proposition 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
Governmental Inventory Status:	All components comply with TSCA, DSL, AICS, NZIoC, ENCS, KECI, PICCS and IECSC.

16. OTHER INFORMATION

US NFPA Codes	**Health**	**Fire**	**Reactivity**	
	1	0	0	
HMIS Codes	**Health**	**Fire**	**Reactivity**	**PPE**
	1	0	0	Section 8

The information on this SDS reflects the latest information that we have on hazards, properties, and handling of this product under recommended conditions of use. This company believes this information to be accurate and reliable however, the accuracy and completeness is not guaranteed.