



# MATERIAL SAFETY DATA SHEET

## I. PRODUCT AND COMPANY INFORMATION

**TRADE NAME:** Blue River  
**CHEMICAL FAMILY:** Liquid Fabric Softener

Date Prepared: 10/18/2007  
**Version: 2**

**HCS (Division of Washing Systems, LLC)**  
5579 Spellmire Dr.  
Cincinnati, OH 45246  
513-870-4830  
**EMERGENCY CONTACT: CHEMTREC (800-424-9300)**

## II. HAZARDOUS INGREDIENTS

The materials listed in this data sheet are classified as **HAZARDOUS** in accordance with the definition set forth by the Occupational Safety and Health Administration in 29 CFR 1910.1200.

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>EXPOSURE LIMIT</u>
Methyl Bis(Tallow Amido Ethyl) 2-Hydroxyethyl Ammonium Methyl Sulfate, Ethoxylated	Quaternary Ammonium Sulfate	UNK
Isopropanol	Isopropyl Alcohol	400 ppm OSHA PEL 500 ppm OSHA STEL 800 ppm NIOSH Ceiling

## III. PHYSICAL/CHEMICAL CHARACTERISTICS

<u>APPEARANCE &amp; ODOR</u>	<u>VAPOR DENSITY (AIR=1)</u>	<u>BOILING POINT</u>	<u>SOLUBILITY IN WATER</u>
Opaque Blue Liquid, Slight Alcohol Odor	>1	UNK	Disperses
<u>SPECIFIC GRAVITY</u>	<u>EVAPORATION RATE (N-Butyl Acetate=1)</u>	<u>VAPOR PRESSURE (mmHg)</u>	<u>MELTING POINT</u>
1.01	UNK	UNK	N/A

## IV. FIRE AND EXPLOSION DATA

<u>FLASHPOINT</u>	<u>FLAMMABLE LIMITS</u> (lower limit) (upper limit)	<u>AUTO IGNITION TEMP</u>
>200°F (TCC)	UNK UNK	UNK

EXTINGUISHING AGENTS: Dry Chemical, Alcohol Foam, or Water Fog.

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

## V. REACTIVITY DATA

<u>STABILITY</u>	<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>	<u>MATERIALS TO AVOID</u>	<u>HAZARDOUS POLYMERIZATION</u>
Stable	May form toxic materials such as carbon monoxide, carbon dioxide, and nitrogen compounds.	Strong Oxidizers	Will not occur.

<b>VI. HEALTH HAZARD DATA</b>
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**SKIN:**        ACUTE    Prolonged/Repeated contact will cause drying, cracking, defatting, dermatitis, and irritation. May cause allergic skin reaction.  
                   CHRONIC None Known.

**EYES:**        ACUTE    Can cause eye irritation.  
                   CHRONIC None Known

**INHALATION:** ACUTE    Can cause drowsiness. Remove from contaminated atmosphere.  
                   CHRONIC None known.

**INGESTION:** ACUTE    Causes diarrhea, nausea, vomiting, cramps, and gastrointestinal irritation.  
                   CHRONIC None known.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Persons with pre-existing skin disorder may be more susceptible to skin irritation. May aggravate pre-existing liver and kidney conditions, if ingested.

**CARCINOGENICITY**

OSHA: NO

IARC MONOGRAPHS: NO

NTP: NO

**EMERGENCY AND FIRST AID PROCEDURES**

**SKIN:**        Immediately flush area with plenty of cool water. If irritation develops, consult a physician.

**EYES:**        Immediately flush thoroughly with cool water under low pressure for at least 15 minutes, holding lids apart and moving eye to ensure flushing of the entire surface. Call a physician.

**INHALATION:** Remove from contaminated atmosphere. For throat irritation, drink two glasses of water and call a physician.

**INGESTION:** Never give anything by mouth to an unconscious person. **DO NOT INDUCE VOMITING.** If conscious, give large quantities of water. If vomiting occurs spontaneously, keep airway clear. Call a physician immediately.

<b>VII. SPILL OR LEAK PROCEDURES</b>
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Dike to contain spill and prevent entry into sewers, waterways, and low areas. Soak up pooled liquids with a suitable absorbent (e.g., clay, fullers earth, etc.). Sweep up absorbed material and dispose of in a manner approved by local, state, and federal regulations. Flush spill area with water. Contains no phosphates.

**SPECIAL PRECAUTIONS**

Store in a well-ventilated area away from strong oxidizers and open flames.

<b>VIII. CONTROL MEASURES</b>
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<u>RESPIRATORY PROTECTION</u>	<u>EYE PROTECTION</u>	<u>PROTECTIVE GLOVES</u>	<u>OTHER PROTECTIVE EQUIPMENT</u>
None	Safety Goggles	Rubber	None
<u>VENTILATION:</u>	<u>Mechanical</u>	<u>Local</u>	<u>Special</u>
	Normal Air Dilution	None	None

N/A = Not Applicable

NIOSH = National Institute for Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure Limit

STEL = Short Term Exposure Limit

TCC = Tag Close Cup

TLV = Threshold Limit Value

UNK = Unknown at This Time

**BLUE RIVER**