

**AATCC**

1 Davis Drive, P O Box 12215,  
Research Triangle Park, North Carolina 27709-2215 USA  
TELEPHONE 919 549-8141 FAX 919 549-8933 <http://www.aatcc.org>

# MATERIAL SAFETY DATA SHEET

Version 1

Issue Date: 11/2010

**SECTION I - CHEMICAL PRODUCT****Product Description:** AATCC Standard Liquid Laundry Detergent w/Optical Brightener**Emergency Contact Telephone Number:** CHEMTREC 1-800-424-9300**SECTION II - HAZARDS IDENTIFICATION**

**Emergency Overview:** The AATCC Standard Liquid Laundry Detergent w/Optical Brightener is an aqueous, non-flammable liquid that does not contain enzymes. If it contacts the eyes or skin, it will be a mild to moderate irritant. Spills will be slippery, will generate foam when flushed with either a low or high pressure water stream and must be diked to prevent any runoff from reaching a sewer or surface waterway. Spills or the AATCC Standard Liquid Laundry Detergent w/Optical Brightener are non-hazardous according to the Federal RCRA regulations (40 CFR 261) for waste disposal.

**Potential Health Hazards**

Eyes: Mild to moderate eye irritant.

Skin: Prolonged contact with the skin may cause mild to moderate irritation.

Inhalation: Exposure to liquid aerosols may cause irritation to the respiratory system.

Ingestion: Not considered a likely occupational exposure route.

**Medical Conditions Generally Known to be Aggravated by Exposure:** Pre-existing skin conditions**Target Organ:** Eyes and skin**Potential Environmental Effects:** See Section XII for additional information.**SECTION III - COMPOSITION AND INGREDIENTS**

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

Chemical Name	CAS No.	Composition Range	Exposure Limits
Benzenesulfonic Acid, C <sub>10-16</sub> -Alkyl Derivs.	68584-22-5	7% - 13%	1 mg/m <sup>3</sup> ACGIH TLV-TWA
Alcohols, C <sub>10-16</sub> , Ethoxylated	68002-97-1	5% - 10%	None Established
1,2-Propanediol	57-55-6	5% - 10%	None Established

**AATCC**

1 Davis Drive, P O Box 12215,  
Research Triangle Park, North Carolina 27709-2215 USA  
TELEPHONE 919 549-8141 FAX 919 549-8933 <http://www.aatcc.org>

**SECTION IV – FIRST AID INFORMATION****First Aid Procedures**

**Eye Contact:** Rinse eyes immediately with large quantities of water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention if irritation persists.

**Skin Contact:** Wash effected area with soap and water and rinse thoroughly. If irritation persists, seek medical attention.

**Ingestion:** Amounts that may be swallowed as a result of handling in an occupational setting are not likely to cause injury. Ingestion may cause gastrointestinal irritation including nausea, vomiting and diarrhea. Rinse mouth with water and seek medical attention if symptoms persist. Do not induce vomiting

**Inhalation:** Take the exposed individual out of the immediate area to one with fresh air.

**Note to Physician:** Treat symptomatically.

**SECTION V - FIRE FIGHTING INFORMATION**

**Flammable Properties:** The AATCC Standard Liquid Laundry Detergent w/Optical Brightener is combustibile with a closed cup FP >200°F (93°C)

**Extinguishing Media**

Suitable: Water spray, dry chemical, CO<sub>2</sub> or alcohol foam

Unsuitable: None known

**Protection of Firefighters**

**Specific Hazards Arising from the Material:** None known

**Protective Equipment and Precautions for Firefighters:** Standard turnout gear including SCBA

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Safety glasses w/side shields, nitrile or butyl gloves and chemical resistant coveralls.

**Environmental Precautions**

**Methods for Containment:** Dike spills with spill pillows/socks, a temporary berm or other style of sorbent material.

**Methods for Cleanup:** Pump spilled material into a leak-proof secondary container like a bucket or drum. Do not landfill. Dispose of following all Federal, State and Local regulations.

**Other Information:** This product is not a RCRA Hazardous Waste for disposal and it does not contain enzymes.

**SECTION VII – HANDLING AND STORAGE**

**Precautions To Be Taken in Handling:** Keep container closed when not in use. Prevent eye and skin exposures by wearing safety glasses w/side shields and nitrile or butyl gloves

**Precautions To Be Taken in Storage:** Store in tightly closed containers in a cool, dry well ventilated area

**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Exposure Guidelines:** None established for the finished products

**Engineering Controls:** None required in normal R&D use

**Personal Protective Equipment**

**Eye/Face Protection:** Safety glasses with side shields. When a splash hazard exists, safety glasses with side shields and safety goggles or a face shield should be worn

**Skin Protection:** Nitrile or butyl gloves

**Respiratory Protection:** None required in normal use.

**AATCC**

1 Davis Drive, P O Box 12215,  
Research Triangle Park, North Carolina 27709-2215 USA  
TELEPHONE 919 549-8141 FAX 919 549-8933 <http://www.aatcc.org>

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b> Viscous liquid	<b>Flash Point (Closed Cup):</b> >200°F (93°C)
<b>Odor:</b> Unperfumed	<b>Explosive Limits:</b> LEL: N/A UEL: N/A
<b>Odor Threshold:</b> N/A	<b>Percent Volatile by Volume:</b> 65% - 75%
<b>Physical State:</b> Liquid	<b>Decomposition Temperature:</b> N/A
<b>Vapor Pressure (mm Hg):</b> N/A	<b>Evaporation Rate (nBuOAc=1):</b> N/A
<b>Vapor Density (Air=1):</b> N/A	<b>Specific Gravity/Density:</b> 1.04 - 1.08 gm/cc
<b>Boiling Point:</b> N/A	<b>Melting/Freezing Point:</b> N/A
<b>Partition Coefficient (n-octanol/water):</b> N/A	<b>pH (10%):</b> 8 - 9
<b>Solubility in Water:</b> Soluble	<b>Reserve Alkalinity:</b> Unknown

**SECTION X - STABILITY AND REACTIVITY**

**Chemical Stability:** Stable  
**Conditions to Avoid:** None known  
**Incompatible Materials:** None known  
**Hazardous Decomposition Products:** None known  
**Possibility of Hazardous Reactions:** None known

**SECTION XI - TOXICOLOGICAL INFORMATION**

**Chronic Effects:** While not tested as a whole, liquid laundry detergents have a relatively low order of toxicity. If ingested, it may result in mild gastrointestinal irritation, diarrhea and or vomiting. Eye contact with the product may produce transient irritation.

	<u>CAS#</u>	
Benzenesulfonic Acid, C <sub>10-16</sub> -Alkyl Derivs.	68584-22-5	1 mg/m <sup>3</sup> ACGIH TLV-TWA 1 mg/m <sup>3</sup> OSHA PEL
Alcohols, C <sub>10-16</sub> , Ethoxylated	68002-97-1	Low oral toxicity: LD50>2000 mg/kg Rat Low dermal toxicity: LD50>2000 mg/kg Rat Low inhalation toxicity: LC50>5 mg/l
1,2-Propanediol	57-55-6	Low oral toxicity: LD50>5000 mg/kg Rat Low dermal toxicity: LD50>2000 mg/kg Rabbit

**Target Organs:** Eyes and skin  
**Carcinogenicity:** Not carcinogenic  
NTP: No  
IARC: No

**SECTION XII - ECOLOGICAL INFORMATION**

While not tested as a whole, the components in this product are biodegradable. Under normal and foreseeable uses, there are no concerns for aquatic organisms exposed to the product ingredients at the anticipated environmental concentrations. Relevant environmental data has been reviewed and indicates that the product is compatible with down-the-drain disposal routes including municipal wastewater treatment and septic tank systems. This product is intended for dispersive use and should not be disposed of directly into the environment.



**AATCC**

1 Davis Drive, P O Box 12215,  
 Research Triangle Park, North Carolina 27709-2215 USA  
 TELEPHONE 919 549-8141 FAX 919 549-8933 <http://www.aatcc.org>

**SECTION XIII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. For larger quantities, incineration is the preferred method of disposal. *Do not landfill.* The material is not a RCRA Hazardous waste according to the Federal RCRA regulations (40 CFR 261).

**SECTION XIV - TRANSPORT INFORMATION**

The AATCC Standard Liquid Laundry Detergent w/Optical Brightener is not regulated for transportation under U.S. DOT regulations.  
 Ground Transport (DOT): Not regulated for transportation  
 Air Transport (IATA): Not regulated for transportation  
 Marine/Water Transport (IMDG): Not regulated for transportation

**SECTION XV - ADDITIONAL REGULATORY INFORMATION**

All intentionally-added components to the AATCC Standard Liquid Laundry Detergent w/Optical Brightener are listed on the US TSCA Inventory.  
 SARA 313/302/304/311/312 chemicals: None  
 States:  
 California Proposition 65: None  
**State Right-to-Know and CERCLA**  
 The following ingredients are present in the (product description) at a level  $\geq 1\%$  and are listed on one or more State Right-to-know or State Worker Exposure Lists:

Ingredient	CAS#	Level	States				
			IL	MA	NJ	PA	RI

**CERCLA RQ**  
 None

**SECTION XVI - OTHER INFORMATION**

P&G Hazard Rating: Health: 1 4 = Extreme  
 Flammability: 1 3 = High  
 Reactivity: 0 2 = Moderate  
 1 = Slight  
 0 = Not Significant

\*N/A. - Not Applicable \*N/K. - Not Known

Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by AATCC to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. AATCC assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.