



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **AATCC HE Liquid Detergent Without Brightener**

Revision Date: January 25, 2023

Chemical Description: Soap


Manufactured By: Novalent, Ltd.
2319 Joe Brown Drive
Greensboro, NC 27405
Main Telephone No. 336-375-7555

Manufactured For: AATCC
1 Davis Drive
Research Triangle Park, NC 27709

Emergency: CHEMTREC – 800-434-9300

SECTION 2: HAZARDS IDENTIFICATION/EMERGENCY OVERVIEW

Classification of the Substance or Mixture: Serious Eye Damage / Eye Irritation – Category 1
Skin Corrosion / Irritation – Category 2

Hazard Pictograms: 

Signal Word: DANGER

Hazard Statements: Causes serious eye damage.
Causes skin irritation.

Precautionary Statements

Prevention: Wear eye protection/face protection. Wash hands thoroughly after handling.

Response: IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing. Get medical help.
IF ON SKIN: Wash with plenty of water. If irritation occurs: Get medical help. Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.

Disposal: Dispose of contents and container in accordance with all local, regional, national, and international regulations.

SECTION 3: COMPOSTION/INFORMATION ON HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>CONCENTRATION</u>
Alcohols, C9-11 Ethoxylated	68439-46-3	10 – 15%
Benzenesulfonic Acid Monoalkyl Derivs, Sodium Salts	68081-81-2	5 – 10%
Sodium Xylenesulfonate	1300-72-7	1 – 5%
Alkyl Ethoxylated Sulfuric Acid, Sodium Salt	68585-34-2	1 – 5%
Isopropanol	67-63-0	1 – 5%

SECTION 4: FIRST AID MEASURES

Eye Contact: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing. Get medical help.

Skin Contact: Wash with plenty of water. If irritation occurs: Get medical help. Take off contaminated clothing and wash it before reuse.

Ingestion: Wash out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists; Get medical help.

SECTION 5: FIRE FIGHTING MEASURES

Flammability of the Product Not combustible / flammable.

Extinguishing Media Small Fire: Use DRY chemical powder.
Large Fire: Use water spray, fog, or alcohol resistant foam.

Protective Equipment for Firefighters Firefighters should wear full protective clothing including self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill or Leak Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary, use suitable protective equipment (Section 8). Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill or Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use suitable protective equipment (Section 8). Avoid release into the environment.

Containment Methods Stop the flow of material if this is without risk. Prevent spilled material from entering sewage and drainage systems which lead to waterways. Contain and collect spillage with absorbent material, i.e. sand, earth, diatomaceous earth and place in a container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 7: HANDLING AND STORAGE

Protective Measures	Wear appropriate personal protective equipment. Do not get in eyes or on skin. Workers should wash hands and face before eating, drinking, or smoking. Keep in the original container and keep tightly closed when not in use.
Conditions for Safe Storage	Store in accordance with local regulations. Store in original container. Keep container closed and tightly sealed until ready for use. Use appropriate containment to avoid environmental contamination. Empty containers retain product residue and can be hazardous.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Personal Protection	Eyes Wear eye and/or face protection. Skin Wear permeation resistant gloves. Considering the parameters specified by the glove manufacturer. Respiratory No personal respiratory protective equipment is normally required.
General Hygiene Considerations	When using, do not eat, drink, or smoke. Wash hands and face before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Clear to Slightly Hazy
Odor	Slight
Melting / Freezing Point	32°F (0°C)
Boiling Point	not available
Flammability	Not Flammable
Lower and Upper Explosion Limits	not available
Flash Point, Closed Cup	Does Not Flash
Auto Ignition Temperature	not available
Decomposition Temperature	not available
pH	7 - 9
Viscosity, 25°C	100 – 150 cPs
Solubility	Soluble in cold or hot water
Partition Coefficient N-Octanol/Water	not available
Vapour Pressure	not available
Density, 25°C	8.5 lbs/gal

SECTION 10: CHEMICAL STABILITY AND REACTIVITY

Reactivity	No specific test data for this product.
Chemical Stability	Material is stable under normal conditions.
Conditions to Avoid	None.
Incompatible Materials	None.
Hazardous Decomposition Products	Carbon monoxide.
Hazardous Polymerization	Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

The following data is sourced from the individual raw material data.

<u>Alcohols, C9-11 Ethoxylated</u>				68439-46-3	10 – 15%
Acute Toxicity	Dermal LD50	Rat	>5000mg/kg		
<u>Benzenesulfonic Acid Monoalkyl Derivs, Sodium Salts</u>				68081-81-2	5 – 10%
Acute Toxicity	Dermal LD50	Rat	>2000mg/kg		
	Oral LD50	Rat	1080mg/kg		
<u>Sodium Xylenesulfonate</u>				1300-72-7	1 – 5%
Acute Toxicity	Dermal LD50	Rabbit	>2000mg/kg		
	Oral LD50	Rat	>7000mg/kg		
<u>Alkyl Ethoxylated Sulfuric Acid, Sodium Salt</u>				68585-34-2	1 – 5%
Acute Toxicity	Dermal LD50	Rat	>2000mg/kg		
	Oral LD50	Rat	4100mg/kg		
<u>Isopropanol</u>				67-63-0	1 – 5%
Acute Toxicity	Dermal LD50	Rabbit	12800mg/kg		
	Oral LD50	Rat	4.7g/kg		

SECTION 12: ECOLOGICAL INFORMATION

The following data is sourced from the individual raw material data.

<u>Alcohols, C9-11 Ethoxylated</u>				68439-46-3	10 – 15%
Aquatic Acute	Crustacea EC50	Daphnia	2.9mg/liter 48 hrs		
	Fish LC50	Fish	6mg/liter 96 hrs		
<u>Benzenesulfonic Acid Monoalkyl Derivs, Sodium Salts</u>				68081-81-2	5 – 10%
Aquatic Acute	Algae EC50	Algae	29mg/liter 96 hrs		
	Crustacea EC50	Daphnia	2.9mg/liter 48 hrs		
	Fish LC50	Fish	1.6 mg/liter 96 hrs		
Aquatic Chronic	Algae NOEC	Algae	3.1mg/liter 15 days		
	Crustacea NOEC	Daphnia	1.4mg/liter 21 days		
	Fish NEOC	Fish	0.23 mg/liter 72 days		
<u>Sodium Xylenesulfonate</u>				1300-72-7	1 – 5%
Aquatic Acute	Crustacea EC50	Daphnia	>1020mg/liter 48 hrs		

	Fish LC50	Fish	>1000mg/liter 96 hrs	
<u>Alkyl Ethoxylated Sulfuric Acid, Sodium Salt</u>			68585-34-2	1 – 5%
Aquatic Acute	Algae EC50	Algae	27mg/liter 72 hrs	
	Crustacea EC50	Daphnia	7.4mg/liter 48 hrs	
	Fish LC50	Fish	7.1mg/liter 96 hrs	
Aquatic Chronic	Crustacea NEOC	Daphnia	0.27mg/liter 21 days	
	Fish NEOC	Fish	1 mg/liter 45 days	

Isopropanol 67-63-0 1 – 5%

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Aquatic Acute	Fish LC50	Fish	6252.5mg/liter 96 hrs estimate
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SECTION 13: DISPOSAL CONSIDERATIONS

Product: Offer surplus and non-recyclable solution to a licensed disposal company. Avoid disposal of waste into sewer system.

Containers: Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

Land-DOT (US Dept of Transportation)----- Not Dangerous Goods, Not Regulated

Sea-IMDG (International Maritime Dangerous Goods Code)-- Not Dangerous Goods, Not Regulated

Air-IATA (International Air Transport Association)----- Not Dangerous Goods, Not Regulated

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations Hazardous	OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200): TSCA: All intentionally present components are listed on the TSCA inventory. CERCLA Hazardous substances: none SARA Title III Section 302 Extremely Hazardous Substances: none SARA Title III Section 313 Toxic Chemicals subject to reporting: none
State Regulations	CALIFORNIA: This product does not contain any material known by the State of California (Proposition 65) to cause cancer, birth defects or other reproductive harm.

SECTION 16: OTHER INFORMATION

Notice to the Reader: The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. The information is designed for

workplace employees, emergency personnel and for other situations where there is a potential for large-scale or prolonged exposure. For consumer use, all precautionary and first aid language is provided on the product label in accordance with applicable government regulations. All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable as of the date of publication. However, no warranty is made as to the accuracy of and/or sufficiency of such information. The Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products.