

AATCC High Efficiency (HE) Standard Reference Detergent WITHOUT Brightener (WOB)

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: AATCC High Efficiency (HE) Standard Reference Detergent WITHOUT Brightener (WOB)
SDS Number: FG4823
Revision Date: 3/6/2020
Version: 3
Supplier Details: AATCC
 1 Davis Dr
 Research Triangle Park, NC 27709
Emergency: 800 424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 2 A
 Health, Skin corrosion/irritation, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **Warning**

GHS Hazard Pictograms:



GHS Hazard Statements:

H319 - Causes serious eye irritation
 H316 - Causes mild skin irritation

GHS Precautionary Statements:

P102 - Keep out of reach of children.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
25155-30-0	20-25%	Sodium dodecylbenzenesulfonate
9004-82-4	5-10%	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt
64-17-5	1-3%	Ethanol
68439-46-3	10-15%	Alcohols, C9-11, ethoxylated

4 FIRST AID MEASURES

Inhalation: If inhaled move to fresh air. If not breathing, give artificial respiration.



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- Skin Contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If irritation persist, obtain medical attention.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Contact a physician if redness persists.
- Ingestion:** Do not induce vomiting without medical advice. Do not give anything by mouth to an unconscious or convulsing person. Rinse mouth with water.

5 FIRE FIGHTING MEASURES

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Extinguishing Methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers.

Specific hazards during fire-fighting: Burning produces irritant fumes. Exposure to decomposition products may be a hazard to health.

Special protective equipment: Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Use appropriate protective equipment. (See Section 8.) Do not get into eyes, or skin. Wear respiratory protection. Avoid breathing vapors. Ensure adequate ventilation.

Environmental Precautions: Prevent uncontrolled discharge of product into the environment if safe to do so.

Methods and Materials for Containment and Cleanup: In case of large spill, soak up with inert absorbent material (e.g. sand, silica gel, sawdust). Sweep up and shovel. Place in a non-leaking container for proper disposal according to Federal, State, and Local regulations.

7 HANDLING AND STORAGE

Handling Precautions: Wear personal protective equipment when handling product. Handle with care. Take care to avoid waste and spillage when weighing, loading and mixing the product.

Storage Requirements: Observe label precautions. Keep containers tightly closed in a dry, cool and well ventilated place. Do not allow product to freeze.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use in well ventilated area.

Personal Protective Equipment: Personal Protective Equipment: HMIS PP, C | Safety Glasses, Gloves, Apron.

Equipment: Use good chemical hygiene practice. Avoid contact with skin and eyes. Avoid inhalation of vapors.

Ethanol cas#:(64-17-5) [1-3%]

Components with workplace control parameters

TWA 1,000 ppm USA. ACGIH Threshold Limit Values (TLV)

Upper Respiratory Tract irritation

Confirmed animal carcinogen with unknown relevance to humans



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TWA 1,000 ppm USA. Occupational Exposure Limits
 1,900 mg/m³ (OSHA) - Table Z-1 Limits for Air
 Contaminants

The value in mg/m³ is approximate.

TWA 1,000 ppm USA. NIOSH Recommended
 1,900 mg/m³ Exposure Limits

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Odor:	Mild
Physical State:	Liquid	Solubility:	Dispersible in water
Odor Threshold:	No data available	Freezing or Melting Point	32F
Specific Gravity or Density:	No data available	Flash Point:	No data available
viscosity:	No data available	Vapor Density:	No data available
Boiling Point:	No data available	Autoignition Temperature:	No data available
Partition Coefficient:	No data available	Upper Flammability Limit:	No data available
Vapor Pressure:	No data available		
pH:	7-9		
Evaporation Rate:	No data available		
Decomp Temp:	No data available		

10 STABILITY AND REACTIVITY

Reactivity:	no data available
Chemical Stability:	stable under recommended storage conditions.
Conditions to Avoid:	no data available
Identification:	
Materials to Avoid:	strong oxidizing agents
Hazardous Decomposition:	Oxides of carbon
Hazardous Polymerization:	will not occur

11 TOXICOLOGICAL INFORMATION

Sodium dodecylbenzenesulfonate cas#:(25155-30-0) [20-25%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 438 mg/kg Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation.

BehaviOral:Somnolence (general depressed activity). Diarrhoea

Inhalation LC50 no data available

Dermal LD50

Other information on acute toxicity

Skin corrosion or irritation: Skin - rabbit - Skin irritation - 24 h

Serious Eye Damage or Eye Irritation: Eyes - rabbit - Severe eye irritation - 24 h

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:



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IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - Single exposure (Globally Harmonized System):

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - Repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion Toxic if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: DB6825000

Ethanol cas#:(64-17-5) [1-3%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 7,060 mg/kg Remarks: Lungs, Thorax, or Respiration:Other changes.

LC50 Inhalation - rat - 10 h - 20000 ppm

Dermal: no data available

Skin corrosion or irritation: Skin - rabbit Result: No skin irritation - 24 h (OECD Test Guideline 404)

Serious Eye Damage or Eye Irritation: Eyes - rabbit Result: Mild eye irritation - 24 h (OECD Test Guideline 405)

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

Carcinogenicity - mouse - Oral:

Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Liver:Tumors. Blood:Lymphomas including Hodgkins disease.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available



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Reproductive toxicity - Human - female - Oral:

Effects on Newborn: Apgar score (human only). Effects on Newborn: Other neonatal measures or effects. Effects on Newborn: Drug dependence.

Specific target organ toxicity - Single exposure: no data available

Specific target organ toxicity - Repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: KQ6300000

Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

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ECOLOGICAL INFORMATION

Sodium dodecylbenzenesulfonate cas#:(25155-30-0) [20-25%]

Information on ecological effects

Toxicity:

Toxicity to fish mortality NOEC - Oncorhynchus kisutch - 3.1 mg/l - 3 d.

mortality LOEC - Oncorhynchus kisutch - 5.6 mg/l - 3 d

Toxicity to daphnia mortality NOEC - Daphnia - 4 mg/l - 7 d.

and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: Bioaccumulation Lepomis macrochirus - 28 d Bioconcentration factor (BCF): 220

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: Avoid release to the environment.

no data available

Ethanol cas#:(64-17-5) [1-3%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available



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Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

14 TRANSPORT INFORMATION

DOT (US): Not Dangerous goods

IMDG: Not Dangerous goods

IATA: Not Dangerous goods

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

RQ(1000LBS), Sodium dodecylbenzenesulfonate (25155-30-0) [20-25%] CERCLA, CSWHS, MASS, PA, TSCA

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (9004-82-4) [5-10%] TSCA

Ethanol (64-17-5) [1-3%] MASS, OSHAWAC, PA, TSCA, TXAIR

Alcohols, C9-11, ethoxylated (68439-46-3) [10-15%] TSCA

Regulatory CODE Descriptions

RQ = Reportable Quantity
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
OSHAWAC = OSHA Workplace Air Contaminants
TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

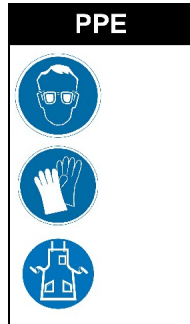
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HMIS III: Health = 1, Fire = 0, Physical Hazard = 0

HMIS C - Safety Glasses, Gloves, Apron

Personal
Protective
Equipment:

HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C



This information is based on our current knowledge of the product and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.