

Safety Data Sheet (SDS)

Section 1: Chemical Product and Company Identification

Cat# : 3408

Part Name: BathBrite

Supplier: FoxWest Sales, Inc.

460 Glennie Circle King of Prussia, Pa 19406
SDS Telephone # (610) 755-0800

Emergency Telephone Numbers

US Chemtrec: (800) 424-9300

Canada: (703) 527-3887

Identified uses: Laboratory use

Email Contact: cveloski@deconlabs.com

Section 2: Hazards Identification:

Hazard Overview

Causes serious eye damage / eye irritation Category 1

Acute toxicity: Oral, Category 4

Skin corrosion/irritant Category 1

Flammable Liquids Category 3

Signal Word: DANGER



Hazard and Precautionary Statements

Causes skin and eye burns.

May cause severe respiratory and digestive tract irritation with possible burns.

Keep away from incompatible materials, ignition sources, and excess heat.

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Do not eat, drink, or use tobacco when using this product.
Keep container tightly closed.
Use spark-proof tools and explosion-proof equipment.
Do not reuse containers.
Use spark-proof tools.
Wash thoroughly after handling.

NFPA Rating

Hazard Ratings:

These ratings are Decon Laboratories Inc.'s own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and list 49).

If no data is listed the information is not available

Health 3 Flammability 2 Reactivity 0

Section 3: Composition/ Information on ingredients

Note: Items listed with a CASRN number have no CAS# available

Item#	Name	EINECS	CAS #	% in Product
1	Alkyl dimethyl benzyl ammonium		68424-85-1	80 - 82
2	Ethanol		64-17-5	11 - 15
3	Water		7732-18-5	< 5
4	C12 – 16-alkyldimethyl amines		68439-70-3	< 1.6

Section 4: First Aid Measures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.

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Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting.

Most important symptoms/effects, acute and delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Indication of immediate medical attention and special treatment needed

If product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5: Fire-Fighting Measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Fire-fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable liquid and vapor.

Section 6: Accidental Release measures

Personal Precautions, protective equipment and emergency procedures

Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not breathe vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed

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spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and Materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Environmental Precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Precautions for safe handling

Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers

Section 8: Exposure Controls/ Personal Protection

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Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910,1000)		
Components	Type	Value
Ethanol (CAS #64-17-5)	PEL	1900 mg/m ³ 1000 ppm

US ACGIH Threshold Limit Values		
Components	Type	Value
Ethanol (CAS #64-17-5)	STEL	1000 ppm

US NIOSH: Pocket Guide to Chemical Hazards		
Components	Type	Value
Ethanol (CAS #64-17-5)	TWA	1900 mg/m ³ 1000 ppm

Preventative Measures:

Wear appropriate thermal protective clothing, when necessary. When using do not eat, drink, or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Engineering Controls:

Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

Personal Protection:

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield.
Hand protection	Wear appropriate chemical resistant gloves.
Skin protection	
Other	Wear appropriate chemical resistant clothing. Wear protective gloves.
Skin protection	
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Wear positive pressure self-contained breathing apparatus (SCBA).

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Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

Section 9: Physical and Chemical Properties

Formula:	Mixture	Vapor Pressure:	Not determined
Formula weight:	Not available	Vapor Density:	Est. Heavier than air
Boiling Point:	Not available	Relative Density:	Not available
Melting Point:	Not available	pH:	7.5 to 8.5 @ 10% aqueous solution
Flash Point:	101°F	Appearance:	Light yellow, liquid
Solubility:	Not available		
Viscosity:	1000 cps @25°C	Density	7.8 lb./gal

Section 10: Stability and Reactivity:

Chemical Stability:	Material is stable under normal conditions
Conditions to Avoid:	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatibility with other materials:	Strong oxidizing agents. Anionic surfactants
Hazardous Decomposition Products:	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons
Hazardous Reactions:	No dangerous reaction known under conditions of normal use.

Section 11: Toxicological Information

Information on likely routes of exposure:

Ingestion: Toxic if swallowed. Causes digestive tract burns

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Inhalation: Not likely, due to the form of the product

Skin Contact: Causes severe skin burns

Eye Contact: Causes serious eye damage

Symptoms related to the physical, chemical and toxicological characteristics:

Burning pain and severe corrosive skin damage. Causes serious eye damage.

Information on toxicology effects

Acute Toxicity: Fatal if inhaled. Harmful if swallowed.

Product	Species	Test Results
Bathbrite		
Acute:		
Dermal		
LD50	Rabbit	>2000 mg/kg
Inhalation		
LC50		0.054 – 0.51 mg/l
Oral		
LD50	Rat	344 mg/kg

Skin corrosion/irritation

Causes severe skin burns and eye damage

Serious eye damage/eye irritation:

Causes serious eye damage

Respiratory or skin sensitization

 Respiratory Sensitization:

Not available

 Skin Sensitization:

This product is not expected to cause skin sensitization

Germ cell mutagenicity:

No data available

Carcinogenicity:

This product not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA

Reproductive Toxicity:

This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity:
(Single Exposure)

Not applicable

Specific Target Organ Toxicity:
(repeated exposure)

Not applicable

Aspiration Hazard:

Not applicable

Section 12: Ecological Information

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Ecotoxicity Very toxic to aquatic life with long lasting effects.

Product		Species	Test Result
Bathbrite			
Acute			
Algae:	EC50	Algae	0.063 mg/l, 96 hours
Crustacea	LC50	Daphnia	0.0058 – 0.016 mg/l, 48 hours
Fisher	LC50	Fish	0.86 ppm, 96 hours

Presistence and degradability Readily biodegradable
Bioaccumulative potential No data available
Mobility in soil No data available
Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13: Disposal Considerations

Disposal instructions CONTAINER DISPOSAL – Non-refillable Container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse empty container with water. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company

Waste from residues/unused Products Not available

Contaminated Packaging Not available

Section 14: Transportation Information

Proper Shipping Name: Exception Note:
Chemical Name: *Limited Quantity*
UN #
Class If Larger than 1 Liter:
Packing Group: UN3267, 8, PG II,
Corrosive Basic, Organic, (N.O.S.)
(Quaternary Ammonium Chloride)

Section 15: Regulatory Information

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US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes Pressure Hazard – No
Reactivity Hazard – No

SARA 302 Extremely Hazardous substance NO

SARA 311/312 Hazardous Chemical YES

SARA 313 (TRI reporting) Not regulated

Other Federal Regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not Regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not Regulated

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Ethanol (CAS 64-17-5)

US. Massachusetts RTK - Substance List

Ethanol (CAS 64-17-5)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(region)	Inventory Name	On Inventory (Yes / No)
Australia	Australian Inventory of Chemical Substances (AICS)	Yes

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Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes
USA & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16: Other Information

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End of Safety Data Sheet