



Revision Number: 001.3

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## 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product identifier used on the label: Zout Stain Remover Liquid &amp; Spray

Recommended use of the chemical and restrictions on use: Pre-treatment, Do not use in confined spaces.

Name, address and telephone number of the chemical manufacturer:

Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

Telephone: For medical emergencies 1-833-359-6299 For transportation CHEMTREC: 1-800-424-9300  
Internet: www.henkel-northamerica.com

## 2. HAZARDS IDENTIFICATION

The hazards described in this Globally Harmonized System Safety Data Sheet (SDS) are not intended for consumers, and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Classification of the substance or mixture in accordance with paragraph (d) of §1910.1200

HAZARD CLASS	HAZARD CATEGORY
None	None

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Signal word: Not prescribed

Hazard Statement(s):  
Not prescribed

Symbol(s): None

Precautionary Statements:

Prevention: Not prescribed  
Response: Not prescribed  
Storage: Not prescribed  
Disposal: Not prescribed

Hazards not otherwise  
classified: None known

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as health hazards in accordance with paragraph (d) of § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
Alcohols, C12-18, 7EO	68213-23-0	1 - 5 %
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	68585-34-2	1 - 5 %
Alcohols, C12-16, 3EO	68551-12-2	1 - 5 %
Boric acid	10043-35-3	0.1 - 1 %

\*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld because a trade secret is claimed in accordance with paragraph (i) of §1910.1200.

## 4. FIRST AID MEASURES

### Description of necessary measures

<b>Inhalation:</b>	Remove from exposure area to fresh air.
<b>Skin contact:</b>	If skin irritation occurs: Rinse with running water and soap.
<b>Eye contact:</b>	Rinse eyes with plenty of water until no evidence of product remains.
<b>Ingestion:</b>	Dilution by rinsing the mouth and giving water or milk to drink is generally recommended.

### Most important symptoms and effects, both acute and delayed

After skin contact: Temporary irritation of the skin (redness, swelling, burning). After eye contact: May cause mild transient irritation. After inhalation: No adverse effects anticipated from normal use. After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhea and vomiting.

### Indication of any immediate medical attention and special treatment needed

After eye contact: Rinse eyes with plenty of water until no evidence of product remains. After skin contact: Rinse affected area with mild soap and water until no evidence of product remains. After inhalation: Remove from exposure area to fresh air. After ingestion: Administer immediately plenty of water. With ingestion of larger quantities (in adults one tablespoon) or in the case of discomfort or pain seek immediate medical attention.

## 5. FIRE FIGHTING MEASURES

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Dry chemical, carbon dioxide, water spray or regular foam.

**Unsuitable extinguishing media:** None known

### Specific hazards arising from the chemical

Irritating smoke, carbon monoxide, and carbon dioxide.

### Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Shut off all ignition sources. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Isolate area. Keep unnecessary personnel away. Avoid breathing vapors, keep upwind.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if you can do it without risk. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

### Environmental precautions

Small or household quantities may be disposed in sewer or other liquid waste system. For larger quantities check with your local disposal authorities.

### Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with sand or other absorbent material and place into clean, dry containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Do not get in eyes. Use with adequate ventilation. Do not take internally. Keep the containers closed when not in use.

### Conditions for safe storage, including any incompatibilities

Store in original containers in a cool dry area. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	None	None	None	None
Alcohols, C12-16, 3EO	None	None	None	None

### Appropriate engineering controls

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

### Individual protection measures

<b>Respiratory:</b>	Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.
<b>Eye:</b>	Safety glasses are required to prevent eye contact where dusty conditions may occur.
<b>Hand/Body:</b>	Protective gloves are required where repeated or prolonged skin contact may occur. Protective clothing is required where repeated or prolonged skin contact may occur.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	liquid colourless
<b>Odor:</b>	green, floral, fruity
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	7.2 - 8.2 (25 °C)
<b>Melting point/ range:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	Not available.
<b>Evaporation rate:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Vapor density:</b>	Not available.
<b>Solubility in water:</b>	Not available.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	100 - 500 mPa.s
<b>VOC content:</b>	Not available.
<b>Specific gravity:</b>	1.000 - 1.020 at 25 °C (77°F)

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This product may react with strong oxidizing agents.
<b>Chemical stability:</b>	Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization has not been reported to occur under normal temperatures and pressures.
<b>Conditions to avoid:</b>	Avoid storing in direct sunlight, avoid extremes of temperature, avoid contact with incompatible substances.
<b>Incompatible materials:</b>	Strong oxidizers, alkalies, acids.
<b>Hazardous decomposition products:</b>	Thermal decomposition may produce irritating or poisonous gases.

## 11. TOXICOLOGICAL INFORMATION

### Likely routes of exposure including symptoms related to characteristics

<b>Inhalation:</b>	Inhalation of product mist may cause irritation of the nose, throat, and respiratory tract.
<b>Skin contact:</b>	May cause mild skin irritation.
<b>Eye contact:</b>	This product may cause slight irritation.
<b>Ingestion:</b>	Nausea and possible vomiting may occur.
<b>Physical/Chemical:</b>	No physical/chemical hazards are anticipated for this product.

<b>Other relevant toxicity information:</b>	This product is a laundry care product. Direct contact with eyes may cause irritation. No adverse effects are anticipated to skin from normal use.
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### Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Alcohols, C12-18, 7EO	None	Irritant
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	None	Irritant
Alcohols, C12-16, 3EO	None	Irritant
Boric acid	Oral LD50 (RAT) = 2,660 mg/kg Dermal LD50 (RABBIT) = > 2,000 mg/kg Inhalation LC50 (RAT, 4 h) = > 0.002 mg/l	Behavioral, Central nervous system, Developmental, Gastrointestinal, Irritant, Kidney, Liver, Reproductive, Skin, Less weight gain and food intake.

### Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Alcohols, C12-18, 7EO	No	No	No
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	No	No	No
Alcohols, C12-16, 3EO	No	No	No
Boric acid	No	No	No

<b>Carcinogenicity</b>	None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).
<b>Mutagenicity</b>	None of the ingredients in this product are known to cause mutagenicity.
<b>Toxicity for reproduction</b>	Boric acid produces developmental effects, including reduced body weight, malformations and death, in the offspring of pregnant animals given boric acid by mouth.

## 12. ECOLOGICAL INFORMATION

### Aquatic Toxicity:

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

#### Toxicity to fish:

The aquatic toxicity profile of this product has not been determined.

#### Toxicity to aquatic invertebrates:

The aquatic toxicity profile of this product has not been determined.

#### Toxicity to algae:

The aquatic toxicity profile of this product has not been determined.

**Persistence and degradability**

Hazardous substances CAS-No.	Result value	Route of application	Species	Method
Alcohols, C12-18, ethoxylated 68213-23-0	readily biodegradable	aerobic	79 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO 68585-34-2	readily biodegradable	aerobic	80 - 83 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Fatty alcohol ethoxylate C12-16 3EO 68551-12-2	readily biodegradable	no data	> 60 %	OECD 301 A - F

**Bioaccumulative potential**

The bioaccumulation potential of this product has not been determined.

**Mobility in soil**

The mobility of this product (in soil and water) has not been determined.

**13. DISPOSAL CONSIDERATIONS****Description of waste residues:**

**Hazardous waste number:** Not regulated

**Safe handling and disposal methods:**

**Recommended method of disposal:** This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.

**Disposal of uncleaned packages:** Place in trash.

**14. TRANSPORT INFORMATION**

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper shipping classification may vary by packaging, properties, and mode of transportation.

**U.S. Department of Transportation Ground (49 CFR)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

## 15. REGULATORY INFORMATION

**Occupational safety and health act:** Hazard Communication Standard, 29 CFR 1910.1200(g) Appendix D: The Occupational Safety and Health Administration (OSHA) require that the Safety Data Sheets (SDSs) are readily accessible to employees for all hazardous chemicals in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain health hazard information not relevant to consumer use.

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12 (b) Export Notification:</b>	
<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimis.
<b>CERCLA/SARA Section 311/312:</b>	Not available.
<b>CERCLA/SARA Section 313:</b>	None above reporting de minimis.
<b>California Proposition 65:</b>	No California Proposition 65 listed chemicals are known to be present.

### Canada Regulatory Information

<b>CEPA DSL/NDL Status:</b>	One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.
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## 16. OTHER INFORMATION

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

**This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.

**Prepared by:** R&D Support Services

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