



Revision Number: 002.0

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

**Product identifier used on the label:** DMD Boraxo Heavy Duty Hand Cleaner – Orange

**Other means of identification:** 1769730, 1938716

**Recommended use of the chemical and restrictions on use:** Hand Washing Lotion, No restrictions on use.

**Name, address and telephone number of the chemical manufacturer:**

The Dial Corporation, a Henkel Company  
7201 E. Henkel Way  
Scottsdale, AZ 85255-9672 USA

CHEMTREC: 1-800-424-9300 (24 hours daily)  
Internet: www.henkelna.com

**Emergency telephone number:** Medical Emergencies: 1-888-689-9082

### 2. HAZARD IDENTIFICATION

The hazards described in this OSHA 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):** None

**Symbol(s):** None

**Precautionary Statements:**

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

**Hazards not otherwise classified:** Not available.

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
Glycerol	56-81-5	5 – 10 %
Alcohols, C10-16, ethoxylated	68002-97-1	1 – 5 %
Orange, sweet, ext.	8028-48-6	1 – 5 %
Petrolatum	8009-03-8	1 – 5 %
Cetyl alcohol	36653-82-4	0.1 – 1 %
Diazolidinyl urea	78491-02-8	0.1 – 1 %
Methyl 4-hydroxybenzoate	99-76-3	0.1 – 1 %
Propyl 4-hydroxybenzoate	94-13-3	0.1 – 1 %

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\*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

**Inhalation:** First aid measures not required.  
**Skin contact:** First aid measures not required. Cosmetic product and therefore not necessary.  
**Eye contact:** Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation develops.  
**Ingestion:** Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center.

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

After eye contact: Temporary irritation of the eyes (redness, swelling, burning, watering eyes). After skin contact: Repeated or prolonged excessive exposure may cause irritation or dermatitis. After ingestion: Nausea and possible vomiting may occur. After inhalation: Unlikely to occur due to the physical properties of the product. At elevated temperatures, vapors or mists may cause irritation.

##### 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 large amounts of water until no evidence of product remains. After ingestion: Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. After inhalation: Remove from exposure area to fresh air.

#### 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

Oxides of carbon and oxides of nitrogen.

##### 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. Avoid breathing vapors, keep upwind. Isolate area. Keep unnecessary personnel away.

#### 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 water treatment plant.

##### 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. Do not take internally. Use with adequate ventilation. Avoid generating aerosols and mists.

##### 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	OSHA PEL	AIHA WEEL	OTHER
Glycerol	None	5 mg/m <sup>3</sup> PEL Respirable fraction. 15 mg/m <sup>3</sup> PEL Total dust.	None	None
Alcohols, C10-16, ethoxylated	None	None	None	None

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Orange, sweet, ext.	None	None	None	None
Petrolatum	5 mg/m3 TWA Inhalable fraction. Exposure by all routes should be carefully controlled to levels as low as possible.	5 mg/m3 PEL Mist.	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

**Respiratory:** 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.

**Eye:** Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

**Hand/Body:** 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>	paste, white
<b>Odor:</b>	citric
<b>Odor threshold:</b>	Not available
<b>pH:</b>	6 – 7.2 (25 °C)
<b>Melting point/ range:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	> 100.0 °C (> 212 °F)
<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>	20,000 – 70,000 mPa.s
<b>VOC content:</b>	Not available.
<b>Specific gravity:</b>	0.999 – 1.003 at 20 °C (68°F)

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This product may react with strong alkalis.
<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 and avoid extremes of temperature.
<b>Incompatible materials:</b>	Strong oxidizers and alkalis.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen.

## 11. TOXICOLOGICAL INFORMATION

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

<b>Inhalation:</b>	Unlikely to occur due to the physical properties of the product. At elevated temperatures, vapors or mists may cause irritation.
<b>Skin contact:</b>	Not a hazard under normal use conditions.
<b>Eye contact:</b>	May cause irritation.
<b>Ingestion:</b>	May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.
<b>Physical/Chemical:</b>	No physical/chemical hazards are anticipated for this product.

#### Other relevant toxicity information:

This product is a personal care or cosmetic product. No adverse effects are anticipated to skin from normal use.

## Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Glycerol	None	Blood, Irritant, Kidney, Nuisance dust
Alcohols, C10-16, ethoxylated	None	No Target Organs
Orange, sweet, ext.	None	Allergen
Petrolatum	None	Irritant
Cetyl alcohol	Oral LD50 (RAT) = 5 g/kg	Irritant, Allergen
Diazolidinyl urea	None	Irritant, Allergen
Methyl 4-hydroxybenzoate	Oral LD50 (RABBIT) = 6.0 g/kg	Irritant, Allergen
Propyl 4-hydroxybenzoate	Oral LD50 (RABBIT) = 6.0 g/kg	Allergen, Central nervous system, Irritant, Respiratory

## Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Glycerol	No	No	No
Alcohols, C10-16, ethoxylated	No	No	No
Orange, sweet, ext.	No	No	No
Petrolatum	No	No	No
Cetyl alcohol	No	No	No
Diazolidinyl urea	No	No	No
Methyl 4-hydroxybenzoate	No	No	No
propyl 4-hydroxybenzoate	No	No	No

**Carcinogenicity** 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).

**Mutagenicity** None of the ingredients in this product are known to cause mutagenicity.

**Toxicity to reproduction** None of the ingredients in this product are known to have reproductive, fetal, or developmental hazards.

## 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:** The persistence and degradability of this product has not been determined. The hazardous ingredients are readily biodegradable.

Hazardous substances	Result value	Route of application	Species	Method
Glycerol	Readily biodegradable	aerobic	90 – 94 %	EU Method C.4-E
Orange, sweet, ext.	Readily biodegradable	aerobic	84 %	EU Method C.4-E
Petrolatum	NA	aerobic	51 %	ISO 10708
Cetyl alcohol	Readily biodegradable	aerobic	82.4 %	OECD 301 C
Methyl 4-hydroxybenzoate	Readily biodegradable	aerobic	92 %	OECD 301 F
propyl 4-hydroxybenzoate	Readily biodegradable	aerobic	92 %	OECD 301 F

**Bioaccumulation Potential:** The bioaccumulation potential of this product has not been determined.

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

## 13. DISPOSAL CONSIDERATIONS

**Waste Number and Description:** Not applicable, not regulated.

**Disposal Considerations:**

**Disposal of products:** This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.  
**Disposal of packages:** Place in trash.  
**Additional information:** Observe all federal, state and local regulations when storing or disposing of this substance

## 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:

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

### Canada Regulatory Information:

**CEPA DSL/NDL Status:** 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.

## 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:** 2, 3, 4, 8, 11, 12, 15

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

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