



Revision Number: 001.1

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

Product identifier used on the label: Persil Discs Oxi Pac

Recommended use of the chemical and restrictions on use: Super concentrated, Use only as intended, read product label.

Name, address and telephone number of the chemical distributor:

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

**Globally Harmonized System Safety Data Sheets (SDS) are required to be readily accessible to employees for all hazardous chemicals in the workplace. This SDS provides additional information for safe handling of the product and may contain health hazard information not relevant to consumer use. For information regarding consumer application of this product, refer to the product label.**

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	3
ACUTE TOXICITY ORAL	4
SKIN IRRITATION	2
EYE IRRITATION	2A

Signal word: WARNING

**Hazard Statement(s):**  
Flammable liquid and vapor.  
Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye irritation.

Symbol(s):



Precautionary Statements:

**Prevention:** Keep away from heat, sparks, open flames, hot surfaces - no smoking.  
Keep container tightly closed.  
No release into water.  
Use explosion-proof equipment.  
Use non-sparking tools.  
Take action to prevent static discharges.  
Wash affected area thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves, eye protection, and face protection.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation occurs: Get medical attention.  
If eye irritation persists: Get medical attention.  
Take off contaminated clothing.  
In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

**Storage:** Store in a well-ventilated place. Keep cool.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

**Hazards not otherwise classified:**

Not available.

**Percentage of ingredient(s) with unknown toxicity:**

6 % of the mixture consists of ingredient(s) of unknown acute toxicity.

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 hazards in accordance with § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine	68910-32-7	>= 20 - < 30 %
Alcohols, C12-15, ethoxylated, 7EO	68131-39-5	>= 20 - < 30 %
Glycerol	56-81-5	>= 5 - < 10 %
Propane-1,2-diol	57-55-6	>= 5 - < 10 %
Ethanol	64-17-5	>= 1 - < 5 %
subtilisin	9014-01-1	>= 0.1 - < 1 %

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

Actual concentration or concentration range is withheld as a trade secret

### 4. FIRST AID MEASURES

**Description of necessary measures**

**Inhalation:** Remove from exposure area to fresh air. Contact physician or local poison control center.  
**Skin contact:** Rinse affected area with large amounts of mild soap and water until no evidence of product remains. Get medical attention if irritation persists.  
**Eye contact:** Rinse immediately with plenty of running water, seek medical advice if necessary. Get medical attention if pain or irritation persist.  
**Ingestion:** Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. Contact physician or local poison control center.

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

After eye contact: Fragrance oil may cause moderate to severe irritation. After skin contact: Repeated or prolonged excessive exposure may cause irritation. After inhalation: Vapors may cause irritation of the nose, throat, and respiratory tract. Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache. After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhea and vomiting. Vomit may get into the lungs causing damage (aspiration).

**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. Get medical attention if pain or irritation persist. After skin contact: Rinse affected area with large amounts of mild soap and water until no evidence of product remains. Get medical attention if pain or irritation develops. After inhalation: Immediately 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:** Use water, dry alcohol-type or all-purpose foam, dry chemical, carbon dioxide.  
**Unsuitable extinguishing media:** None known

### Specific hazards arising from the chemical

Not available.

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

Shut off all ignition sources In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as a fog, solid streams may be ineffective. 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 or reduce any leaks if it is safe to do so. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Ensure clean-up is conducted by trained personnel only. Make sure area is slip-free before re-opening to traffic.

### Environmental precautions

Small or household quantities may be disposed in regular domestic trash. For larger quantities check with your local water treatment plant.

### Methods and materials for containment and cleaning up

Shut off ignition sources. No smoking, flames or flares in hazard area. Ventilate closed spaces before entering. **SMALL SPILLS:** Contain and absorb with sand or other non-combustible absorbent material and place into 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, on skin, on clothing Do not ingest. Use with adequate ventilation. Avoid generating aerosols and mists. Keep the containers closed when not in use.

### Conditions for safe storage, including any incompatibilities

Not available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), American Industrial Hygiene Association (WEEL) Workplace Environmental Exposure Level 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, C12-15, ethoxylated, 7EO	None	None	None	None
Glycerol	None	5 mg/m <sup>3</sup> PEL Respirable fraction. 15 mg/m <sup>3</sup> PEL Total dust.	None	None
Propane-1,2-diol	None	None	10 mg/m <sup>3</sup> TWA Aerosol.	None
Ethanol	1,000 ppm STEL	1,000 ppm (1,900 mg/m <sup>3</sup> ) PEL	None	None
subtilisin	0.00006 mg/m <sup>3</sup> Ceiling (as 100% pure crystalline enzyme)	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>	If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).
<b>Eye:</b>	Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.
<b>Hand/Body:</b>	Chemical-resistant 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>	gel green
<b>Odor:</b>	fresh
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	8.0 - 8.4 (20 °C)
<b>Melting point/ range:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	57 °C (134.6 °F) ; The product does not support combustion in any way.
<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>	150 - 350 mPa.s
<b>VOC content:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This product may react with strong acids, bases and 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 and avoid excessive heat.
<b>Incompatible materials:</b>	Strong oxidizers, alkalies, acids.
<b>Hazardous decomposition products:</b>	Thermal decomposition may produce irritating smoke, carbon monoxide, and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

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

<b>Inhalation:</b>	Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache, weakness, peripheral drowsiness.
<b>Skin contact:</b>	Repeated or prolonged excessive exposure may cause irritation.
<b>Eye contact:</b>	May cause moderate to severe irritation.
<b>Ingestion:</b>	Ingestion of large quantities may cause gastrointestinal irritation with nausea, vomiting and diarrhea.
<b>Physical/Chemical:</b>	Not available.
<b>Other relevant toxicity information:</b>	This product is a household product. The use of this product by consumers is safe under normal and reasonable foreseen use.

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

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine	None	No Data
Alcohols, C12-15, ethoxylated, 7EO	None	No Target Organs
Glycerol	None	Irritant, Nuisance dust
Propane-1,2-diol	Oral LD50 (RABBIT) = 18 g/kg Oral LD50 (RAT) = 30 g/kg	Irritant
Ethanol	Oral LD50 (RAT) = 9.9 g/kg Oral LD50 (RAT) = 6.2 g/kg Oral LD50 (RAT) = 17.8 g/kg Oral LD50 (RAT) = 11.5 g/kg Oral LD50 (RAT) = 10.6 g/kg Oral LD50 (RAT) = 7,060 mg/kg	Central nervous system, Irritant
subtilisin	None	No Data

**Carcinogenicity information**

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine	No	No	No
Alcohols, C12-15, ethoxylated, 7EO	No	No	No
Glycerol	No	No	No
Propane-1,2-diol	No	No	No
Ethanol	No	No	No
subtilisin	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 for reproduction**

None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.

**12. ECOLOGICAL INFORMATION**

**Aquatic Toxicity:**

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
Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine 68910-32-7	readily biodegradable	aerobic	85 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Alcohols, C12-15, ethoxylated, 7EO 68131-39-5	readily biodegradable	aerobic	> 60 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Glycerol 56-81-5	readily biodegradable	aerobic	90 - 94 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Propane-1,2-diol 57-55-6	not inherently biodegradable	aerobic	60 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	readily biodegradable	aerobic	> 70 %	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)
Ethanol 64-17-5	readily biodegradable	aerobic	80 - 85 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Protease 9014-01-1	readily biodegradable	aerobic	79 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)

**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:** Do not reuse this container.

**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

### Risk indication:

Not a hazardous material if transport temperature is below the flash point.

## 15. REGULATORY INFORMATION

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	One or more components of this product are not listed and/or not active on the U.S Toxic Substances Control Act (TSCA) inventory. As such, this product may only be used for research and development purposes as described in 40 CFR 720.36.
<b>TSCA 12 (b) Export Notification:</b>	None above reporting de minimis
<b>CERCLA/SARA Section 302 EHS:</b>	The following components are subject to reporting levels established by SARA Title III, Section 302: Ethylene oxide (CAS# 75-21-8).
<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>	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### Canada Regulatory Information

<b>CEPA DSL/NDSL 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 (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment.

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

<b>Prepared by:</b>	R&D Support Services
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