Revision Number: 001.0 **Issue date:** 14 NOV 2019

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

Product identifier used on the label: Perna 2in1 Odor Fighter

Recommended use of the chemical and restrictions on use: 2 in 1, No restrictions on use.

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
SKIN IRRITATION	2
EYE IRRITATION	2A

Signal word: WARNING
Hazard Statement(s):
Causes skin irritation.
Causes serious eye irritation.

Symbol(s):

Precautionary Statements:

Prevention: Wash affected area thoroughly after handling.
Wear protective gloves, eye protection, and face protection.

Response: IF ON SKIN: Wash with plenty of water.
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.

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 hazards in accordance with § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration

Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	68585-34-2	10 - 30 %
Alcohols, C12-18, 7EO	68213-23-0	1 - 5 %
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	1 - 5 %
trisodium citrate	68-04-2	1 - 5 %
α-Sulfo-ω-(dodecyloxy)poly(oxy-1,2-ethanediyl)sodium salt	9004-82-4	1 - 5 %
Propane-1,2-diol	57-55-6	1 - 5 %
Aziridine, homopolymer, 20-EO	68130-99-4	1 - 5 %
Sodium metaborate	7775-19-1	1 - 5 %
Sodium EDTA	64-02-8	1 - 5 %

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

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 water until no evidence of product remains. Get medical attention if irritation persists.
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 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: Moderate to strong irritation of the eyes (redness, swelling, burning, watering eyes). After skin contact: Temporary irritation of the skin (redness, swelling, burning). 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: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. After skin contact: Rinse affected area with large amounts of 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. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended.

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. Shut off all ignition sources Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Avoid breathing vapors, keep upwind. 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 or reduce any leaks if it is safe to do so. Spills present a slipping hazard. Keep unnecessary personnel away. 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 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 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

Keep the containers tightly closed when not in use. Store in a cool, dry, ventilated area out of reach of children and away from sources of heat, moisture, and incompatible substances. Store away from incompatible substances, excessive heat, flames, sparks or other ignition sources. 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), 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, C10-16, ethoxylated, sulfates, sodium salts, 2EO	None	None	None	None
trisodium citrate	None	None	None	None
α-Sulfo-ω-(dodecyloxy)poly(oxy-1,2-ethanediyl)sodium salt	None	None	None	None
Propane-1,2-diol	None	None	10 mg/m3 TWA Aerosol.	None
Aziridine, homopolymer, 20-EO	None	None	None	None
Sodium metaborate	None	None	None	None
Sodium EDTA	None	None	None	None
Ethanol denatured	1,000 ppm STEL	1,000 ppm (1,900 mg/m3) PEL	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: 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).

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

Hand/Body: 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

Appearance: liquid
dark blue
Odor: floral, citric, green
Odor threshold: Not available.
pH: 8.2 - 8.6 (25 °C)
Melting point/ range: Not available.
Boiling point/range: Not available.
Flash point: Not available.
Evaporation rate: Not available.
Flammable/Explosive limits - lower: Not available.
Flammable/Explosive limits - upper: Not available.

Vapor pressure:	Not available.
Vapor density:	Not available.
Solubility in water:	Not available.
Partition coefficient (n-octanol/water):	Not available.
Autoignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	250 - 700 mPa.s
VOC content:	Not available.

10. STABILITY AND REACTIVITY

Reactivity: Possible reaction with incompatible materials.

Chemical stability: Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).

Possibility of hazardous reactions: Hazardous polymerization does not occur under normal temperatures and pressures.

Conditions to avoid: Avoid storing in direct sunlight and avoid extremes of temperature.

Incompatible materials: Incompatible materials are unknown.

Hazardous decomposition products: Thermal decomposition products may include oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure including symptoms related to characteristics

Inhalation:	Unlikely to occur due to the physical properties of the product.
Skin contact:	Repeated or prolonged excessive exposure may cause irritation or dermatitis.
Eye contact:	May cause moderate to severe irritation.
Ingestion:	Ingestion of large quantities may cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Physical/Chemical:	No physical/chemical hazards are anticipated for this product.

Other relevant toxicity information: This product is a laundry care 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
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	None	Irritant
Alcohols, C12-18, 7EO	None	Irritant
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	None	Irritant
trisodium citrate	None	Irritant, Metabolic
α-Sulfo-ω-(dodecyloxy)poly(oxy-1,2-ethanediyl)sodium salt	None	No Data
Propane-1,2-diol	Oral LD50 (RABBIT) = 18 g/kg Oral LD50 (RAT) = 30 g/kg	Irritant
Aziridine, homopolymer, 20-EO	None	No Data
Sodium metaborate	Oral LD50 (RAT) = 2,330 mg/kg	Cardiac, Central nervous system, Developmental, Gastrointestinal tract, Irritant, Kidney, Metabolic, Reproductive
Sodium EDTA	Oral LD50 (RAT) = > 2,000 mg/kg	Irritant

Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Alcohols, C10-16, ethoxylated, sulfates, sodium salts, 2EO	No	No	No
Alcohols, C12-18, 7EO	No	No	No
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	No	No	No
trisodium citrate	No	No	No
α-Sulfo-ω-(dodecyloxy)poly(oxy-1,2-ethanediyl)sodium salt	No	No	No
Propane-1,2-diol	No	No	No
Aziridine, homopolymer, 20-EO	No	No	No
Sodium metaborate	No	No	No
Sodium EDTA	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.

Toxicity for reproduction Not a Reproductive Toxicant.

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. This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions.

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, C10-16, ethoxylated, sulfates, sodium salts, 2EO 68585-34-2	readily biodegradable	aerobic	80 - 83 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Alcohols, C12-18, ethoxylated 68213-23-0	readily biodegradable	aerobic	79 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3	readily biodegradable	aerobic	85 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
trisodium citrate 68-04-2	readily biodegradable	aerobic	79 %	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)
α-Sulfo-ω-(dodecyloxy)poly(oxy-1,2-ethanediyl)sodium salt 9004-82-4	readily biodegradable	aerobic	78 %	OECD Guideline 301 D (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)
Aziridine, homopolymer, 20-EO 68130-99-4		aerobic	20 - 50 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
tetrasodium ethylene diamine tetraacetate 64-02-8	not inherently biodegradable	no data	5 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	not readily biodegradable.	aerobic	9.9 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution 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. Dispose of in accordance with local and national regulations.

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

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA)inventory.

TSCA 12 (b) Export Notification:

CERCLA/SARA Section 302 EHS: 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/NDSL 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 (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.

Prepared by: R&D Support Services

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