



Revision Number: 011.0

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

Product identifier used on the label:

- Dry Purex® Classic All Temperature Laundry Detergent — Original Fresh Scent, Mountain Breeze, Mountain Breeze w/Renuzit Super Odor Neutralizer, After The Rain
- Dry Purex® Classic All Temperature Laundry Detergent with Bleach Alternative— Original Fresh Scent
- Dry Purex® Ultra Laundry Detergent—Original Fresh Scent, Mountain Breeze, Mountain Breeze w/Renuzit Super Odor Neutralizer
- Dry Purex® with Color Safe Bleach Ultra Laundry Detergent—Original Fresh Scent
- Dry Purex® Ultra Laundry Detergent—For Bucket Production (Summit Advantage)
- Dry Trend® Classic All Temperature Laundry Detergent
- Dry Trend® Classic All Temperature Laundry Detergent with Bleach Alternative
- Dry Purex® Classic Detergent with Crystals Fragrance— Lavender, Fresh Spring Waters
- Dry Purex® Ultra Detergent with Crystals Fragrance— Lavender, Fresh Spring Waters
- Purex® with Bleach Alternative Powder Laundry Detergent – Fresh Mountain Breeze, Lavender Blossom
- Purex® with Oxi Powder Laundry Detergent – Fresh Morning Burst

Other means of identification:

- 99103058, 99103059, 99103065 (Classic Purex – Original Fresh Scent); 99103062, 99103067, 99103070 (Classic Purex – Mountain Breeze); 99103064, 99103069, 99102921 (Classic Purex Mountain Breeze w/Renuzit); 99101679, 99102836 (Classic Purex – After The Rain); 99103060, 99103061, 99103066 (Classic Purex w/BA – Original Fresh Scent); IDH#1266148 (Ultra Purex Fresh Scent); 99103072 (Ultra Purex – Original Fresh Scent); 99103074 (Ultra Purex Mountain Breeze); 88101543, 99103076, IDH# 1267197 (Ultra Purex Mountain Breeze w/Renuzit SON); 99103073 (Ultra Purex with Color Safe Bleach- Original Fresh Scent); 99103095 (Ultra Purex Dry Detergent for Bucket Production (Summit Advantage); 99103077, 99103078, 99103083 (Classic Trend); 99103081, 99103082, 99103084 (Classic Trend w/BA); 99103089 (Ultra Purex with Color Safe Bleach–Mountain Breeze); 1692111 (Classic Lavender); 1692121 (Classic Fresh Spring Waters); 1692122 (Ultra Lavender); 1692123 (Ultra Fresh Spring Waters); 1948488 (Purex w/Bleach Alt Fresh Mt Breeze); 1948792 (Purex w/Bleach Alt Lavender Blossom); 1951197 (Purex w/Oxi Fresh Morning Burst)

Recommended use of the chemical and restrictions on use: Heavy duty detergent, 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
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 thoroughly after handling. Wear eye and face protection. Wear protective gloves.
Response:	IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. 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 health hazards in accordance with paragraph (d) of § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration	Classification §1910.1200
Sodium carbonate	497-19-8	30 – 60 %	Eye irritation 2A Skin irritation 2
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	85536-14-7	10 – 30 %	Acute toxicity 4; Oral Skin corrosion 1C; Dermal Chronic hazards to the aquatic environment 3
Sodium silicate	1344-09-8	5 – 10 %	Serious eye damage 1 Skin corrosion 1C Acute toxicity 4; Oral
Fatty alcohol ethoxylate C12-15	68131-39-5	1 – 5 %	Acute hazards to the aquatic environment 1
Disodium carbonate, compound with hydrogen peroxide (2:3)	15630-89-4	1 – 5 %	Oxidizing Solid 3 Acute toxicity 4; Oral Acute toxicity 4; Oral Eye irritation 1 Serious eye damage 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

Inhalation: Remove from exposure area to fresh air. Keep affected person warm and at rest. Treat symptomatically and supportively.
Skin contact: Rinse affected area with large amounts of water until no evidence of product remains. Get medical attention if irritation persists.
Eye contact: Immediately rinse eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention if pain or irritation persist.
Ingestion: Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

Most important symptoms and effects, both acute and delayed

After eye contact: May cause moderate to severe irritation. After skin contact: Repeated or prolonged exposure may cause irritation. After Ingestion: Ingestion may cause pain, burning, swelling and redness in the mouth and throat. Nausea and vomiting may occur. After inhalation: Irritation of the respiratory tract, coughing. Inhalation of larger amounts may cause laryngospasm with shortness of breath.

Indication of any immediate medical attention and special treatment needed

After eye contact: Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, 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: Do not induce vomiting. 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 immediately. Contact physician or local poison control center.

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

Thermal decomposition may release toxic and/or hazardous gases, including toxic oxides of carbon and sulfur.

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. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. 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 regular domestic trash. For larger quantities check with your local disposal authorities.

Methods and materials for containment and cleaning up

SMALL SPILLS: Sweep or scoop up and place into containers for later disposal. Wash site of spillage thoroughly with water.

LARGE SPILLS: Sweep or scoop up and place into suitable clean, dry containers for reclamation or later disposal. Dispose in suitable waste container. Keep unnecessary people away from spill.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Avoid generating dusts.

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
Sodium carbonate	None	None	None	None
Sodium silicate	None	None	None	None
Fatty alcohol ethoxylate C12-15	None	None	None	None

Appropriate engineering controls

Provide local exhaust or general dilution ventilation to keep potential 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: Safety glasses are required to prevent eye contact where dusty conditions 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

Appearance:	powder, white
Odor:	floral, spicy, green
Odor threshold:	Not available.
pH:	Not available.
Melting point/ range:	Not available.
Boiling point/range:	Not available.
Flash point:	Not applicable
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:	Soluble
Partition coefficient (n-octanol/water):	Not available.
Autoignition temperature:	Not available.

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Decomposition temperature: Not available.
Viscosity: Not available.
VOC content: Not available.
Specific gravity: Not available.

10. STABILITY AND REACTIVITY

Reactivity: This product may react with strong reducing agents.

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

Possibility of hazardous reactions: Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

Conditions to avoid: Avoid storing in direct sunlight, avoid extremes of temperature, avoid contact with incompatible substances.

Incompatible materials: Strong reducing agents, acids.

Hazardous decomposition products: Thermal decomposition may produce irritating smoke, carbon monoxide, and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure including symptoms related to characteristics

Inhalation: Dust may cause mucous membrane irritation with coughing, dryness and sore throat.
Skin contact: May cause skin irritation.
Eye contact: May cause moderate to severe irritation.
Ingestion: May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.
Physical/Chemical: Repeated or prolonged excessive exposure with skin may cause irritation.

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
Sodium carbonate	Oral LD50 (RAT) = 4.090 mg/kg Inhalation LC50 (RAT, 2 h) = 2,3 mg/l	Irritant, Sensory
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	None	No Data
Sodium silicate	Oral LD50 (RAT) = 1.100 - 1.600 mg/kg Oral LD50 (RAT) = 1,1 g/kg	Corrosive, Irritant
Fatty alcohol ethoxylate C12-15	None	No Target Organs
Disodium carbonate, compound with hydrogen peroxide (2:3)	None	No Data

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Sodium carbonate	No	No	No
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	No	No	No
Sodium silicate	No	No	No
Fatty alcohol ethoxylate C12-15	No	No	No
Disodium carbonate, compound with hydrogen peroxide (2:3)	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:

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
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	readily biodegradable	no data	> 60 %	OECD 301
Fatty alcohol ethoxylate C12-15	readily biodegradable	aerobic	81 %	EU Method C.4-E

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

Disposal Considerations: Not regulated

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.

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 Rule, 29 CFR 1910.1200: The Occupational Safety and Health Administration (OSHA) require Material Safety Data Sheets (MSDSs) to provide information about any hazard that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this MSDS may contain health hazard information not relevant to consumer use.

United States Regulatory Information:

TSCA 8 (b) Inventory Status: All components of this product are either listed on or exempt from the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.

TSCA 12 (b) Export Notification: None above reporting de minimis

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/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

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Classic and Ultra Dry Detergents	Page 5 of 6

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This safety data sheet contains changes from the previous version in sections: 2, 4, 11, 12

Prepared by: R&D Support Services

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