



# Material Safety Data Sheet

## G-113

Revision 02.0

Revision Date: 04/10/2013

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name(s):** Purex® UltraPacks Liquid Laundry Detergent – Free & Clear, Mountain Breeze  
Purex® UltraPacks with Oxi

**Product Use:** Laundry Detergent Single Dose Unit

**Formula IDH Number(s):** 1599132, 1721537 (Free & Clear); 1599135, 1720463 (Mountain Breeze); 1796206 (with Oxi)

**Company Address:** The Dial Corporation, a Henkel Company; 19001 N Scottsdale Road; Scottsdale, AZ 85255-9672 USA

**Contact Information:** Medical Emergencies: 1-888-689-9082 CHEMTREC: 1-800-424-9300 (24 hours daily)

### SECTION 2: HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

**WARNING:** Harmful if swallowed. In case of ingestion call poison control or a doctor immediately. Do not induce vomiting. Rinse mouth; give a small glass of water or milk. Direct contact with eyes causes irritation. Repeated or prolonged excessive exposure with skin can result in defatting and drying which may result in irritation and dermatitis. Keep out of reach of children. No significant environmental effects. Combustible liquid – keep away from fire or flame. Product is stable.

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission. The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this Material Safety Data Sheet differ from the requirements of the CPSC and as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

**Regulatory Status:** This material is considered to be hazardous under OSHA's Hazard Communication Standard (29 CFR 1900.1200). This MSDS should be retained and available for employees and other users of this product.

#### Potential Health Effects

**NOTE:** The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

**Eye Contact:** This product may cause moderate-to-severe irritation with pain, tearing, and blurred vision.

**Skin Contact:** Repeated or prolonged excessive exposure can result in defatting and drying of the skin which may result in irritation and dermatitis.

**Ingestion:** Ingestion may cause severe irritation or burns to esophagus, mouth, and stomach with nausea, vomiting and diarrhea. Ingestion may result in drowsiness in severe cases.

**Inhalation:** Not an anticipated route of entry. Mists/vapors may cause central nervous system effects and irritation of the throat and lungs with coughing.

**Subchronic/Chronic Health Effects:** Due to the nature and composition of this product no subchronic/ chronic health effects are anticipated. Nonetheless, the following effects have been reported for one of the product's components.

**Ethyl Alcohol:** The normal use of this product is not expected to produce these effects. Chronic oral studies in laboratory animals have resulted in effects such as liver damage, teratogenicity, embryotoxicity, and fetotoxicity. The newborns of alcoholic mothers may exhibit fetal alcohol syndrome. Human consumption of alcoholic beverages has been causally related to the occurrence of malignant tumors of the oral cavity, pharynx, larynx, esophagus, and liver.

**Medical Conditions Generally Recognized As Being Aggravated By Exposure:** Pre-existing chronic skin and respiratory conditions.

#### Potential Environmental Effects

See Section 12: Ecological Information.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Based on our hazard evaluation, the following chemical substance(s) in this product have been identified as hazardous.

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent (w/w)</u>
Alcohol Ethoxylates	68213-23-0 / 91031-21-9	15 – 40 %
Glycerin	56-81-5	10 – 30 %
Alkylbenzolsulfonate-MEA	Mixture	10 – 30 %

The Dial Corporation, a Henkel Company; 19001 N Scottsdale Road; Scottsdale, AZ 85255-9672 USA

Purex UltraPacks

04/10/2013

Page 1 of 5

**Purex Ultrapacks Single Dose Unit**

Propylene Glycol

57-55-6

**MSDS G-113 (Rev. 1)**

5 – 15 %

Ethanol

64-17-5

1 – 5 %

Enzymes

9014-01-1

0 – 1%

**SECTION 4: FIRST AID MEASURES**

**Ingestion:** Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

**Eyes:** Immediately rinse eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention if pain or irritation persist.

**Skin:** Rinse affected area with large amounts of water until no evidence of product remains. Get medical attention if irritation persists.

**Inhalation:** Remove from exposure area to fresh air. Keep affected person warm and at rest. Treat symptomatically and supportively.

**Note to Physician:** The physician's judgment should be used to control symptoms and clinical condition based on the individual reactions of the patient.

**SECTION 5: FIRE FIGHTING MEASURES****Flammable Properties**

OSHA Flammability Classification: Combustible Liquid Class II

Flash Point(Pensky-Martens):126.5°F(52.5°C) – Mountain Breeze  
128.3°F(53.5°C) – Free & Clear

Auto-Ignition Temperature: Not applicable

Flame Projection: Not available

Flammable/Explosive limits – lower: Not available

Flammable/Explosive limits – upper: Not available

Hazardous Combustion Products: Oxides of carbon and oxides of nitrogen.

Fire and Explosion Hazard: Product does not sustain combustion according to method DIN EN ISO 2719 (measurement of flash point by Pensky-Martens).

**Extinguishing Media**

Dry chemical, carbon dioxide, water spray or regular foam.

**Protection of Firefighters**

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Move container 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.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal Precautions:**

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 disposal authorities.

**Methods for Containment and Clean-Up:**

Shut off ignition sources. Stop leak if you can do it without risk. Use water spray to reduce vapors. Isolate area until vapors have dispersed. No smoking, flames or flares in hazard area! Keep unnecessary people away; isolate hazard area and deny entry. Ventilate closed spaces before entering. Stay upwind; keep out of low areas.

SMALL SPILLS: Contain and absorb with sand or other non-combustible material. Containerize for 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.

**SECTION 7: HANDLING AND STORAGE**

**Handling:** Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate ventilation. Avoid generating aerosols and mists. Keep the containers closed when not in use. Wash thoroughly after handling.

**Storage:** Product does not sustain combustion according to method DIN EN ISO 2719. Store away from incompatible substances, excessive heat, flames, sparks or other ignition sources. 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.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

This product is a laundry care product. The use of this product by consumers is safe under normal and reasonable foreseen use. The information provided below refers to the occupational settings.

**Worker Exposure Limits**

The Dial Corporation, a Henkel Company; 19001 N Scottsdale Road; Scottsdale, AZ 85255-9672 USA		
Purex UltraPacks	04/10/2013	Page 2 of 5

Ingredient	ACGIH TLV	OSHA PEL	AIHA WEEL	NIOSH
Glycerin	TWA: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> (respirable fraction); 10 mg/m <sup>3</sup> (total mist)	N/A	N/A
Ethanol	TWA: 1000 ppm (1880 mg/m <sup>3</sup> )	TWA: 1000 ppm (1880 mg/m <sup>3</sup> )	N/A	N/A
Protease	Ceiling: 0.00006 mg/m <sup>3</sup> (subtilisins)	N/A	N/A	N/A

**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.

**Respirator:**

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).

**For Fire Fighting and Other Immediately Dangerous To Life or Health Conditions:**

Any self-contained breathing apparatus that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure demand or other positive-pressure mode.

**Clothing:** Protective clothing is required where repeated or prolonged skin contact may occur.

**Gloves:** Chemical-resistant gloves are required where repeated or prolonged skin contact may occur.

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear to pale yellow or clear blue	Physical state:	Liquid
Odor:	Pleasant fragrance	Odor threshold:	None
Boiling point:	Not available	Evaporation rate:	Not available
Melting point:	Not available	Vapor density:	Not available
Specific gravity:	1.030 – 1.061 g/ml @ 25°C	Vapor pressure:	Not available
pH:	8.0 – 11.0	Water solubility:	Complete
Partition coefficient (n-octanol/water):	Not available	Viscosity (Dynamic):	300 - 600 cps @ 25°C
Flammable Properties:	See Section 5		

**SECTION 10: STABILITY AND REACTIVITY**

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

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

**Incompatible Materials:** Strong oxidizers and reducing agents.

**Hazardous Decomposition Products:** Thermal decomposition products may include toxic oxides of carbon.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur under normal temperatures and pressures.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Product Information Summary:** This product is a laundry care product. The use of this product by consumers is safe under normal and reasonable foreseen use. Direct contact with eyes may cause irritation. It may be harmful if swallowed. Repeated or prolonged excessive exposure with skin can result in defatting and drying which may result in irritation and dermatitis.

**Component Analysis:** The following toxicity information is for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

Ingredient	LD50 / Draize Score	Toxicity / Irritation Rating
<u>Acute Oral Toxicity</u>		
Alcohol Ethoxylate	> 2,000 mg/kg (rat)	Practically Non-hazardous
Glycerin	12,600 mg/kg (rat)	Non-hazardous
Ethanol	> 5,000 mg/kg (rat)	Practically Non-hazardous
<u>Acute Dermal Toxicity</u>		
Glycerin	> 10,000 mg/kg (rabbit)	Non-hazardous
<u>Acute Inhalation Toxicity</u>		
Ethanol	20,000 ppm for 10H (rat)	Practically Non-hazardous

**Sensitization:** This product is not considered a skin or respiratory sensitizer.

**Carcinogenicity:** IARC classifies ethanol as "Human Sufficient Evidence" from chronic ingestion of alcoholic beverages.

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

**Reproductive/Fetal/Developmental effects:** Ethanol crosses the placenta and can cause acute intoxication of the newborn or teratogenic effects, including fetal alcohol syndrome.

**Target organ toxicity:** Ethanol consumption produces depressant effects in the central nervous system.

**Epidemiological information:** None of the ingredients in this product are known to have health-related information in working populations.

## SECTION 12: ECOLOGICAL INFORMATION

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

Product / Ingredient	LC50/EC50 (Animal Specie)	Toxicity Rating
<u>Vertebrates</u>		
Alcohol Ethoxylate	96h LC50: 1 - 10 mg/l (fish)	Toxic
Glycerin	96-hr LC50: 50 mg/L (Oncorhynchus mykiss)	Harmful
Propylene Glycol	96h LC50: 700 mg/l (Pimephales promelas) (static)	Practically Non-hazardous
Ethanol	96-hr LC50: 12,900 mg/L (Oncorhynchus mykiss) (flow-through) (30 days old)	Practically Non-Hazardous
<u>Invertebrates</u>		
Alcohol Ethoxylate	48h EC50: 1 - 10 mg/l (Daphnia magna)	Toxic
Glycerin	24-hr EC50: > 500 mg/L (Daphnia magna)	Practically Non-Hazardous
Propylene Glycol	48h EC50: >1,000 mg/l (Daphnia magna)	Practically Non-hazardous
Ethanol	48-hr EC50: 9,268 mg/L (Daphnia magna)	Practically Non-Hazardous

**Environmental Fate:** No environmental fate data exists for the product. The product is anticipated to be biodegradable.

**Persistence and Degradability:** The persistence and degradability of this product has not been determined.

**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.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Number and Description:** D001 (Ignitable)

### Disposal Considerations:

**Disposal of products:** This product is a RCRA characteristic (ignitable) hazardous waste and must be disposed of in accordance with federal, state and local regulations. To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility.

**Disposal of packages:** Not applicable.

**Additional information:** Observe all federal, state and local regulations when storing or disposing of this substance.

## SECTION 14: TRANSPORT INFORMATION

### DOT Transportation of Dangerous Goods – Ground

DOT Hazard Class: Non Hazardous

Refer to DOT Regulations 49 CFR §173.120(a) exception (3) for flammable liquids “Any liquid with a flash point greater than 35°C (95°F) that does not sustain combustion according to ASTM D 4206...”

### International Air Transportation (ICAO/IATA)

ICAO/IATA Number: Non Hazardous

Refer to IATA Dangerous Goods Regulations § 3.3.1.3 “Liquids with a flash point exceeding 35°C (95°F) which do not sustain combustion need not be considered as flammable liquids for the purposes of these Regulations, if...they have passed a suitable test for combustibility..”

### Water Transportation (IMO/IMDG)

IMDG/IMO Number: Non Hazardous

Refer to DOT Regulations 49 CFR §173.120(a) exception (3) for flammable liquids “Any liquid with a flash point greater than 35°C (95°F) that does not sustain combustion according to ASTM D 4206...”

If the quantity being shipped exceeds the Limited quantity or Maximum Net Quantity requirements as stated in IATA/IMDG/DOT/CFR49 and/or is NOT RETAIL Packed the item (s) classification will shift to a more specific proper shipping name and classification. Please refer to IATA/IMDG/DOT/CFR49 regulations and/or contact Rich Sheridan 480 754 2379 or Paul Preston 480 754 6792.

## SECTION 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.

**Consumer Product Safety Commission (CPSC):** This product is regulated as a consumer product under CPSC.

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

**EPA CERCLA/SARA TITLE III Superfund Amendment and Reauthorization Act:** This product contains no CERCLA/SARA Title III materials

**CERCLA/SARA Section 302 EHS:** This product contains no extremely hazardous substances reportable under Section 302.

**CERCLA/SARA 311/312:** This product contains no hazardous chemicals reportable under Sections 311/312

**CERCLA/SARA 313:** Not applicable - Consumer product. Ethanol is listed by EPA Clean Water Act - Section 304B.

**State Regulations**

California Proposition 65: Ethanol in alcoholic beverages is listed for developmental effects.

**Canada Regulatory Information:**

**Canadian Environmental Protection Act:**

Inventory Status: All components of this product are listed on either the Canadian Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

**Health Canada:**

This product is not regulated by Health Canada.

**Worker Hazardous Materials Information System:**

**WHMIS Classification:** D2B, B3- Combustible Liquid

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**SECTION 16: OTHER INFORMATION**

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**DISCLAIMER:** The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, The Dial Corporation makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, The Dial Corporation will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied of merchantability, fitness for a particular purpose or of any other nature is made hereunder with respect to the information set forth herein or to the product to which the information refers.

**NFPA RATINGS (Scale 0-4, where 4=high degree of hazard):** HEALTH=2 FLAMMABILITY=2 REACTIVITY=0

**HMIS RATINGS (Scale 0-4, where 4=high degree of hazard):** HEALTH=2 FLAMMABILITY=2 REACTIVITY=0

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Revision: Updated Formula I.D. Numbers and Formula Composition