

MATERIAL SAFETY DATA SHEET

MSDS F-112 REVISION 20

DS-04954

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SUBSTANCE IDENTIFICATION

SUBSTANCE: LIQUID LAUNDRY DETERGENTS

TRADE NAMES/SYNONYMS: **PUREX CLASSIC LIQUID DETERGENT; PUREX ULTRA LIQUID DETERGENT; PUREX CLASSIC LIQUID DETERGENT with BLEACH ALTERNATIVE; PUREX ULTRA LIQUID DETERGENT with BLEACH ALTERNATIVE; PUREX CLASSIC FREE & CLEAR LIQUID DETERGENT; PUREX ULTRA FREE & CLEAR LIQUID DETERGENT; PUREX LEMON FRESH LIQUID DETERGENT; PUREX CLASSIC TREND LIQUID DETERGENT; PUREX CLASSIC TREND with BLEACH ALTERNATIVE LIQUID DETERGENT; PUREX ULTRA MOUNTAIN BREEZE LIQUID DETERGENT; PUREX ULTRA MOUNTAIN BREEZE with BLEACH ALTERNATIVE LIQUID DETERGENT; CLASSIC PUREX MOUNTAIN BREEZE LIQUID DETERGENT; CLASSIC PUREX MOUNTAIN BREEZE with BLEACH ALTERNATIVE LIQUID DETERGENT; PUREX CLASSIC BABY SOFT LIQUID DETERGENT; PUREX ULTRA BABY SOFT LIQUID DETERGENT; PUREX CLASSIC AFTER THE RAIN LIQUID DETERGENT; PUREX ULTRA AFTER THE RAIN LIQUID DETERGENT; PUREX CLASSIC SUNSHINE CLEAN; PUREX ULTRA SUNSHINE CLEAN**

CHEMICAL FAMILY: Mixture

I.D. NUMBERS: 930098, 930108 (Purex Classic Trend); 930099, 930109 (Purex Classic Trend w/ Bleach Alt.); 99100929, 99100908, 99100897 (Purex Classic); 99100934, 99100905, 99100885 (Purex Ultra); 99100935, 99100906, 99100898 (Purex Ultra w/Bleach Alt.); 99100930, 99100909, 99100884 (Purex Classic w/Bleach Alt.); 99100931, 99100904, 99100894 (Purex Classic Free & Clear); 99100939, 99100907, 99100900 (Purex Ultra Free & Clear HDL); 99101081 (Purex Lemon Fresh); 99100940, 99100913, 99100886 (Purex Ultra Mountain Breeze); 99100941, 99100914, 99100887 (Purex Ultra Mountain Breeze w/Bleach Alternative); 99100932, 99100910, 99100888 (Classic Purex Mountain Breeze); 99100933, 99100911, 99100889 (Purex Classic Mountain Breeze w/Bleach Alternative); 99100902 (Purex Classic Baby Soft); 99100901 (Purex Ultra Baby Soft); 99100943, 99100919, 99100891 (Purex Classic After the Rain); 99100942, 99100917, 99100899 (Purex Ultra After the Rain); 99101228, 99101289, 99101292 (Purex Classic Sunshine Clean); 99101227, 99101288, 99101291 (Purex Ultra Sunshine Clean)

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY= 0 REACTIVITY= 0
HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=1 FLAMMABILITY= 0 REACTIVITY= 0

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.

HAZARDOUS INGREDIENTS INFORMATION

COMPONENT: ALCOHOL ETHOXYLATE	CAS# 68551-12-2
COMPONENT: SODIUM CARBONATE	CAS# 497-19-8
COMPONENT: SODIUM DODECYLBENZENESULFONATE	CAS# 68584-22-5
COMPONENT: SODIUM LAURETH SULFATE	CAS# 9004-82-4

Carcinogen status of components: Not listed as carcinogenic by NTP, IARC, or OSHA.

PHYSICAL AND CHEMICAL DATA

DESCRIPTION: Clear to pale yellow or clear blue liquid with a pleasant odor.

SPECIFIC GRAVITY: 1.040-1.065 @ 25 °C VISCOSITY: 25-80 sec @ 25°C (#2 Zahn Cup)

pH: 10.0-11.3 (1% solution @ 25 °C) SOLUBILITY IN WATER: Complete.

CLOUD POINT: 0-45°F

FIRE AND EXPLOSION DATA

FIRE AND EXPLOSION HAZARD – Negligible fire hazard.

FIRE FIGHTING MEDIA - Dry chemical, carbon dioxide, water spray or regular foam.

FIRE FIGHTING - Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

HEALTH HAZARD DATA

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.

ACUTE HEALTH EFFECTS:

INHALATION:	Unlikely to occur given the physical properties of the product. Mists may cause respiratory tract irritation.
SKIN CONTACT:	Repeated or prolonged excessive exposure can result in defatting and drying of the skin which may result in irritation and dermatitis.
EYE CONTACT:	May cause moderate to severe irritation, with possibility of corneal injury if not removed promptly.

INGESTION: Large quantities may cause nausea, vomiting, abdominal pain, diarrhea, and lethargy.

CHRONIC HEALTH EFFECTS: None known.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Persons with history of chronic skin conditions.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove from exposure area to fresh air immediately. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center. If breathing has stopped, give artificial respiration, and get medical attention immediately.

SKIN CONTACT: **Rinse** affected area with plenty of water until no evidence of product remains. Get medical attention if irritation persists.

EYE CONTACT: **Immediately** rinse eyes 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: 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 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.

REACTIVITY

REACTIVITY - Stable under normal temperatures and pressures.

INCOMPATIBILITIES: Strong oxidizers and reducing agents.

DECOMPOSITION - Thermal decomposition products may include toxic oxides of sulfur and carbon, and hydrogen sulfide.

POLYMERIZATION - Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

STORAGE AND DISPOSAL

Store away from incompatible substances and excessive heat. Observe all federal, state and local regulations when storing or disposing of this substance.

CONDITIONS TO AVOID

Avoid contact with incompatible substances or excessive heat.

SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL - Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into clean, dry containers for later disposal. For larger spills, dike far ahead of spill for later disposal. Keep unnecessary people away and isolate hazard area.

OCCUPATIONAL PROTECTIVE EQUIPMENT

VENTILATION - Provide local exhaust or general dilution ventilation to keep potential exposure to airborne contaminants as low as possible.

RESPIRATOR - None required under normal use conditions.

FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS -

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece 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 (impervious to liquids) is required where splashing of product may occur.

GLOVES - Chemical-resistant gloves are required where repeated or prolonged skin contact may occur.

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

REGULATORY INFORMATION

DOT FLAMMABILITY CLASSIFICATION:

Not applicable.

EPA - SARA TITLE III SECTION 313:

Not applicable - Consumer product.

TSCA:

All components of this product are listed or are exempted or excluded from listing on the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.

 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 are made hereunder with respect to the information set forth herein or to the product to which the information refers.

MSDS CREATION DATE: 02/04/94

SUPERCEDES: Rev. 19, 6/5/01

REVISION DATE: 7/31/03

REVISION: Updated Substance Identification and Trade Names. Removed three hazardous chemicals. Updated all physical and chemical data.