

*TIDAL WAVE product line*

# LIQUID LAUNDRY DETERGENT

## All Purpose Triple Surfactant Wash

Appearance ..... Clear Blue Liquid  
Odor ..... Mild Odor  
pH (conc.) ..... 9.0  
Solubility ..... Complete

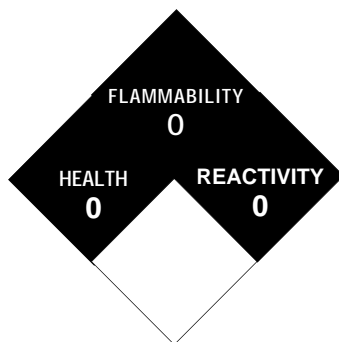


Biodegradable

Manufactured to  
ISO 9002  
Specifications

NFPA 704 Hazard Rating:

4=Extreme, 3=High, 2=Moderate  
1=Slight, 0=Minimal



Rating for this product:

Health ..... 0 ..... None  
Fire ..... 0 ..... Will Not Burn  
Reactivity ... 0 ..... Stable

**EMERGENCY: (800) 535-5053**  
**24 Hour MSDS Information**

**Other Useful Products:**

<b>PRODUCT NAME</b>	<b>PROD CODE</b>
Liquid Booster .....	R4506
heavy duty laundry det. booster	
Liq Lnd Sour/Soft .....	L0501
liquid fabric softener & neutralizer	
Liq Lndry Bleach .....	R4403
8% liquid chlorine bleach	

### D E S C R I P T I O N

- LIQUID LAUNDRY DETERGENT contains a synergistic blend of three surfactants, anti-redeposition agents, and optical brighteners that make it your best choice for mild yet tough-on-dirt detergent.
- It penetrates, dissolves and flushes away dirt, grease, oil and food stains.
- LIQUID LAUNDRY DETERGENT works in hot or cold and in hard or soft water. It rinses clean and leaves no residue. It's **biodegradable**, too.
- Use it by itself or with alkaline builders.
- LIQUID LAUNDRY DETERGENT is safe on all washable fabrics. It is great for cleaning wool, silk, and delicate synthetics.

### D I R E C T I O N S

Concentrations will vary according to water hardness, soil load, water temperature, time and machine efficiency.

When using chlorine or color-safe (oxygen) bleach, add to the wash solution 3 to 5 minutes after the wash cycle begins.

This product works best through an automatic liquid injection pump system. You, however, may add it directly into a flush dispenser.

**Use Directions:**

**Agitator Machines:**

Light soils - 1 to 2 ounces per load.  
Heavy soils - 2 to 4 ounces per load.

**Tumbler Machines:**

Light soils - 2 to 4 ounces per 100 pounds of dry laundry.

**Prespotting:**

Use full strength.

**Presoaking:**

Use 2 to 4 ounces per 10 gallons of water and soak the fabric overnight.

**Hand Washing of Delicate fabrics:**

Add 1/2 ounce per gallon in a sink or basin. Gently agitate by hand. Rinse in clear water. Allow to air dry.

### D I R E C T I O N S

Here are some reasons for graying:

**Hard water causes graying.**

Cheaply formulated detergents do not contain adequate water softening agents. During the rinse, insoluble calcium and magnesium soaps are no longer suspended by the soap solution. These insoluble soaps are deposited on the load, carrying with them a small amount of insoluble dirt which causes graying.

**Overloading resulting in insufficient sudsing and rinsing causes graying.**

Rinsing rate is appreciably reduced as well. For example, it took seven rinses to remove soap, builder, and dirt from a 25% overloaded wash. It took only four rinses to do the same job of a correctly loaded wash.

**Souring too soon causes graying.**

If soap holding dirt in suspension is still present when sour is added, the soap will be converted into free fatty acid causing the dirt to come out of suspension and deposit on the fabric.

**Insufficient sour to neutralize residual bicarbonate alkalinity causes graying and yellowing.**

For all laundry sour solutions, except acetic acid, a pH of 5.0 neutralizes 95 to 100% of residual alkalinity. Sour to a pH of 5.4 for acetic acid. Excessive sour causes odor in damp wash loads.

### C A U T I O N

**EYE IRRITANT - Avoid contact with skin and eyes. Do not ingest. Contains sodium dodecylbenzene sulfonate.**

**FIRST AID**

**EYES:** Flush with water for 20 minutes. Hold eyelids apart to ensure flushing of the entire area. Seek medical attention.

**SKIN:** Flood with water for 15 minutes, if irritation persists, seek medical attention.

**INGESTION:** Induce vomiting. Give large quantities of water. If vomiting occurs, keep airways clear and give fluids again. Seek medical attention.

**KEEP OUT OF REACH OF CHILDREN**

**EXSL**

**FORMULAS THAT MEET THE CHALLENGE**

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# MATERIAL SAFETY DATA SHEET

**EMERGENCY: (800) 535-5053**

**Product Name:** Liquid Laundry Detergent

**Product Code:** L3300

**Proper Shipping Name:** Not applicable. This is a non-regulated material.

**Manufactured by:** EXSL/Ultra Labs, Inc.

**Effective Date:** 11/4/01

**Supersedes:** 2/12/98

## HAZARDOUS INGREDIENTS

	CAS#	PCNT%	TWA	STEL	SARA III	PROP 65	Carcinogen
Nonylphenol Polyethylene Ethoxylate	26027-38-3	10.00	None	None	No	No	No
Sodium Dodecylbenzene Sulfonate	25155-30-0	5.00	None	None	No	No	No
Isopropyl Alcohol	67-63-0	2.00	983 mg/m <sup>3</sup>	1,230 mg/m <sup>3</sup>	No	No	No

## PHYSICAL DATA

**Boiling Point:** 212° F  
**Specific Gravity:** 1.025  
**Appearance & Odor:** Clear Blue Liquid, Mild Odor

**pH:** (Conc.) 9.0  
**Evaporation Rate:** Not Avail.  
**Reactivity in Water:** None

**Viscosity:** 20 – 30 cps  
**Solubility:** Complete  
**Melting Point:** Not App.

**Vapor Pressure:** Not Avail.  
**Vapor Density:** Not Avail.  
**Volatiles:** Not Avail.

## FIRE & EXPLOSION DATA

**Health:**..... 0 ... None  
**Fire:**..... 0 ... Will Not Burn  
**Reactivity:**..... 0 ... Stable

**NFPA 704 Hazard Rating**  
4 = Extreme, 3 = High, 2 = Moderate  
1 = Slight, 0 = Minimal

**Flash Point:** None (Cleveland Open Cup)  
**Flammability Levels (LEL/UEL):** Not App.

**Extinguishing Media:**..... This product is not combustible. Use water spray, foam, carbon dioxide, or dry chemical.

**Fire & Explosion Hazard:**...None

**Conditions to Avoid:**..... Open flames, welding arcs or other high temperature sources that induce thermal decomposition, which produce toxic fumes.

## REACTIVITY DATA

**Materials to Avoid:** None.

**Stability:** Stable

**Hazardous Decomposition Products:** None

**Hazardous Polymerization:** Will not occur

## HEALTH HAZARDS

**Eye Contact:**..... Causes moderate to severe irritation. Prolonged and repeated contact can cause redness and tearing.

**Skin Contact:**..... May cause dryness with prolonged contact.

**Ingestion:**..... Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Inhalation:**..... Spray or mist can be irritating to the upper respiratory tract.

## FIRST AID

**Eyes:**..... Flush out immediately for at least 20 minutes with running water and seek medical attention. Washing eyes within one minute is essential to minimizing eye damage. Hold eyelids apart to ensure flushing of the entire surface.

**Skin:**..... Wash with water. If irritation persists, seek medical attention.

**Ingestion:**..... Never give anything to an unconscious person. If swallowed, induce vomiting. Give large quantities of water or milk. If vomiting occurs, keep airways clear. Seek medical attention.

**Inhalation:**... Move person to fresh air and away from exposure. If breathing is difficult, administer oxygen and seek medical attention. Give artificial respiration if victim is not breathing.

## SPILL OR LEAK PROCEDURES

### Steps to Contain:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leaks if you can do it without risk. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (rubber boots and gloves). Contain spills with dry earth, sand or other non-combustible material and transfer to containers. Sweep up powder spills and transfer to containers. DO NOT GET WATER INSIDE CONTAINERS.

### Recommended Waste Disposal Method:

The materials resulting from the clean up may be hazardous waste and, therefore, subject to specific regulations. Package, store, transport, and dispose all clean-up materials and any contaminated equipment in accordance with all applicable federal, state, and local health environmental regulations. Shipments of waste materials are subject to manifesting requirements per applicable regulations. Ensure that all responsible federal, state, and local agencies receive proper notification of spills and disposal methods.

## SPECIAL PROTECTION & PRECAUTIONS

**Respiratory:**..... None under normal use conditions.

**Eye:**..... None under normal use conditions.

**Storage:**..... Keep in a cool, dry place.

**Clothing:**..... None under normal use conditions.

**Comments:** ... None under normal use conditions.

**Handling:**..... Do not stack or palletize over three high.

## USER'S RESPONSIBILITY

It is the user's responsibility to provide a safe workplace. He or she should consider the health hazard and safety information contained herein as a guide and take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

**EXSL/Ultra Labs, Inc.**

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