



ERA  
PACKAGED SOAP AND DETERGENT DIVISION  
IVORYDALE TECHNICAL CENTER  
CINCINNATI, OHIO 45217

*Laundry  
General  
Services*

PROCTER & GAMBLE

MATERIAL SAFETY DATA SHEET

Issue Date: 2/90

SECTION I

EMERGENCY TELEPHONE NUMBERS

24 Hour P&G Operator Service 1-800-543-0485 or call local Poison Control Center.

IDENTITY

ERA (Liquid Laundry Detergent)

BD

OTHER

Ingredients: Cleaning agents (anionic and nonionic surfactants, enzymes), water softeners, dispensing aids (propylene glycol), water, stabilizing agents, soil suspending agents, fabric whitener, colorant, and perfume.

SECTION II -- HAZARDOUS INGREDIENTS/IDENTITY INFORMATION  
HAZARDOUS INGREDIENTS AS DEFINED BY OSHA, 29 CFR 1910.1200.

| CHEMICAL NAME | COMMON NAME | CAS NO. | ACGIH TLV             | OSHA PEL | OTHER LIMITS RECOMMENDED |
|---------------|-------------|---------|-----------------------|----------|--------------------------|
| Ethyl Alcohol | Ethanol     | 64-17-5 | 1900mg/m <sup>3</sup> |          |                          |

SECTION III -- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (°F)

208°F

SPECIFIC GRAVITY (H<sub>2</sub>O = 1)

Bulk density - 1.050 g/cc

VAPOR PRESSURE (MM HG)

Unknown

PERCENT VOLATILE BY VOLUME (%)

-60%

VAPOR DENSITY (AIR = 1)

Unknown

EVAPORATION RATE (nBuOAc = 1)

Unknown

SOLUBILITY IN WATER

Completely Soluble

APPEARANCE AND ODOR

Clear blue liquid. Product is perfumed.

SECTION IV -- FLAMMABILITY AND REACTIVITY DATA

FLASH POINT (METHOD USED)

TCC 142°F

EXPLOSIVE LIMITS

LEL N.A. UEL N.A.

EXTINGUISHING MEDIA

CO<sub>2</sub>, Water.

SPECIAL FIRE FIGHTING PROCEDURES

None.

Although this product has a flash point below 200°F. (closed cup), it is an aqueous solution containing ethyl alcohol and it does not sustain combustion.

UNUSUAL FIRE HAZARDS

None.

STABILITY

Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY (Materials to avoid)

None known.

HAZARDOUS DECOMPOSITION/BY PRODUCTS

None known.

HAZARDOUS POLYMERIZATION

Will not occur.

CONDITIONS TO AVOID

None known.

SECTION V - HEALTH AND SAFETY DATA

HEALTH EFFECTS (ACUTE AND CHRONIC)

Eye: May cause mild to moderate transient irritation.  
Skin: Transient irritation with prolonged exposure to concentrated material.  
Ingestion: Ingestion may cause mild gastrointestinal irritation.

SIGNS AND SYMPTOMS OF EXPOSURE

Eye: May cause stinging, tearing, itching, swelling, and/or redness.  
Skin: Prolonged contact with concentrated material may be drying or transiently irritating to skin.  
Ingestion: May result in nausea, vomiting, and/or diarrhea.

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Flush with water for 10 - 15 minutes.  
Ingestion: Give a glassful of water.  
Skin contact: If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothes.  
If symptoms persist or reoccur, seek medical attention.

OTHER

Consumer product package has caution statement.  
"CAUTION: Eye Irritant. Harmful if swallowed. Keep out of reach of children. If swallowed, give a glassful of water. Call a physician. In case of eye contact, flush with water."

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

No unusual precautions necessary.

OTHER PRECAUTIONS

None.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Flush down acceptable sewer (contains biodegradable surfactants). Prevent spills from reaching a waterway. Sorbents may be used.

WASTE DISPOSAL METHOD

Disposal is to be performed in compliance with all regulations. Small or household quantities may be disposed of in sewer. For larger quantities, incineration is preferred. Do not landfill.

SECTION VII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type)

None required with normal use.

VENTILATION

LOCAL EXHAUST None required with normal use.

MECHANICAL (General) Normal/general dilution ventilation is acceptable.

OTHER None.

EYE PROTECTION

None required with normal use.  
If a splash is likely, chemical goggles may be needed.

PROTECTIVE GLOVES

None required with normal use.  
Protective gloves (rubber, neoprene) should be used for prolonged direct contact.

OTHER PROTECTIVE EQUIPMENT

None necessary under normal use.

\* N.A. - NOT APPLICABLE

The submission of this MSDS may be required by law but this is not an assertion that this substance is hazardous when used in accordance with proper safety practices and normal handling procedures.