



SAFETY DATA SHEET

LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT

SECTION 1. PRODUCT IDENTIFICATION

- Product name : LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT
- Other means of identification : Not applicable
- Recommended use : Laundry detergent
- Restrictions on use : Reserved for industrial and professional use.
- Product dilution information : Product is sold ready to use.
- Company : Manufactured or Distributed in Costa Rica by:
ECOLAB S.R.L, Zona Franca BES, El Coyol 5 Km al Oeste
Aeropuerto Juan Santamaría,
Alajuela, Costa Rica, Código Postal: Apdo109-4003.
- Product Distributed in Honduras by:
ECOLAB Ofibodega Premier, bodega No.8 en el Boulervar del este a
30 mts de la caseta de peaje, San Pedro Sula, Honduras
- Product Distributed in Panama by:
ECOLAB ALBROOK COMERCIAL PARK, L. D14, CALLE RUBEN
DARIO, CURUNDU, PANAMÁ
- Product Distributed in El Salvador by:
ECOLAB, S.A, de C,V. 12 Calle Poniente y 23 Avenida Sur #700 San
Salvador, El Salvador Colonia Cucumayan.
- Product Distributed in Guatemala by:
ECOLAB S.A. ECOLAB 42 CALLE 23-00 ZONA 12, BODEGA 8
- Product Distributed in Nicaragua by:
ECOLAB C.C.R.L . ECOLAB KM. 16.7 CARRETERA A
TICUANTEPE, 200 MTS A COMUNIDAD SAN PEDRO,
TICUANTEPE. - MANAGUA, NICARAGUA
- Emergency telephone : Costa Rica: For medical emergency information, call 911 and (506)
2436-3900 in Costa Rica. National Center of Intoxication in Costa
Rica: (506) 2223-1028
El Salvador: National Center of Intoxication in EL SALVADOR TEL.
(503) 22319262
Guatemala: TOXICOLOGICAL INFORMATION CENTER OF
GUATEMALA CIAT (502) 2230 0807
Nicaragua: National Center of Intoxication in NICARAGUA Nº Tel
(505) 2897150
Honduras: HOSPITAL ESCUELA DE TEGUCIGALPA HONDURAS
(504) 2232-2322
Panama: SYSTEM OF EMERGENCY MANAGEMENT OF THE
REPUBLIC OF PANAMA (SUME) - TEL. 911
- Issuing date : 16.01.2023

SECTION 2. HAZARD OR HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral), Category 4 H302
Skin corrosion/irritation, Sub-category 1B H314

SAFETY DATA SHEET

LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT

Serious eye damage/eye irritation, Category 1 H318
Specific target organ toxicity - single exposure, Category 3, Respiratory system H335
Short-term (acute) aquatic hazard, Category 2 H401
Long-term (chronic) aquatic hazard, Category 3 H412

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H401 Toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
P261 Avoid breathing mist or vapors.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P363 Wash contaminated clothing before reuse.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards : Do not mix with bleach or other chlorinated products – will cause chlorine gas.

SECTION 3. COMPOSITION / INFORMATION OF HAZARDOUS INGREDIENTS

Pure substance/mixture : Mixture

SAFETY DATA SHEET

LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT

Chemical name	CAS-No.	Concentration (%)
alcohols, c12-16, ethoxylated >5EO	68551-12-2	10 - 30
Alcohol ethoxylate	68439-51-0	10 - 30
dodecylbenzene sulfonic acid	27176-87-0	10 - 30
Anionic surfactants	61788-47-4	10 - 30
2-methylpentane-2,4-diol	107-41-5	10 - 30
Monoethanolamine	141-43-5	5 - 10
Dodecyldimethylamine oxide	1643-20-5	1 - 5

SECTION 4. FIRST AID MEASURES

In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
If swallowed	: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	: Treat symptomatically.
Most important symptoms and effects, both acute and delayed	: See Section 11 for more detailed information on health effects and symptoms.

Potential Health Effects

Eyes	: Causes serious eye damage.
Skin	: Causes severe skin burns. Causes skin irritation.
Ingestion	: Harmful if swallowed. Causes digestive tract burns.
Inhalation	: May cause respiratory tract irritation. May cause nose, throat, and lung irritation.
Chronic Exposure	: Health injuries are not known or expected under normal use.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: None known.
Specific hazards during fire	: Not flammable or combustible.

SAFETY DATA SHEET

LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT

fighting

Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NO_x)
Sulfur oxides
Oxides of phosphorus

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL SPILLAGE

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not ingest. Avoid contact with skin and eyes. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

Storage temperature : 15 °C to 40 °C

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
2-methylpentane-2,4-diol	107-41-5	C	25 ppm	CR OEL
2-methylpentane-2,4-diol	107-41-5	CPT	25 ppm	PA OEL

SAFETY DATA SHEET

LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT

			120 mg/m ³	
2-methylpentane-2,4-diol	107-41-5	C	25 ppm 125 mg/m ³	NIOSH REL
		TWA (Vapor)	25 ppm	ACGIH
		STEL (Vapor)	50 ppm	ACGIH
		STEL (Inhalable fraction, Aerosol only)	10 mg/m ³	ACGIH
		C	25 ppm 125 mg/m ³	OSHA P0
		C	25 ppm 125 mg/m ³	CAL PEL
Monoethanolamine	141-43-5	TWA	3 ppm	CR OEL
		STEL	6 ppm	CR OEL
Monoethanolamine	141-43-5	TLV-TWA	3 ppm	DO OEL
Monoethanolamine	141-43-5	CCT	6 ppm 15 mg/m ³	PA OEL
		CPT	3 ppm 6 mg/m ³	PA OEL
Monoethanolamine	141-43-5	TWA	3 ppm	ACGIH
		STEL	6 ppm	ACGIH
		TWA	3 ppm 8 mg/m ³	NIOSH REL
		ST	6 ppm 15 mg/m ³	NIOSH REL
		TWA	3 ppm 6 mg/m ³	OSHA Z-1
		TWA	3 ppm 8 mg/m ³	OSHA P0
		STEL	6 ppm 15 mg/m ³	OSHA P0
		PEL	3 ppm 8 mg/m ³	CAL PEL
		STEL	6 ppm 15 mg/m ³	CAL PEL

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Safety goggles
Face-shield

Hand protection : Wear the following personal protective equipment:
Standard glove type.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.

SAFETY DATA SHEET

LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT

Wash face, hands and any exposed skin thoroughly after handling.
Provide suitable facilities for quick drenching or flushing of the eyes
and body in case of contact or splash hazard.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: liquid
Color	: clear, amber
Odor	: slight
pH	: 6,0 - 8,0, (100 %)
Flash point	: Not applicable
Odor Threshold	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 1,03 - 1,05
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: 192,700 mm ² /s (40 °C)
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions to avoid	: None known.

SAFETY DATA SHEET

LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT

Incompatible materials	: None known.
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides Nitrogen oxides (NO _x) Sulfur oxides Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Experience with human exposure

Eye contact	: Redness, Pain, Corrosion
Skin contact	: Redness, Pain, Irritation, Corrosion
Ingestion	: Corrosion, Abdominal pain
Inhalation	: Respiratory irritation, Cough

Toxicity

Product

Acute oral toxicity	: Acute toxicity estimate : 1.683 mg/kg
Acute inhalation toxicity	: 4 h Acute toxicity estimate : > 10 mg/l Test atmosphere: dust/mist
Acute dermal toxicity	: Acute toxicity estimate : > 5.000 mg/kg
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitization	: No data available
Carcinogenicity	: No data available
Reproductive effects	: No data available
Germ cell mutagenicity	: No data available
Teratogenicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration toxicity	: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Product

Toxicity to fish : No data available

SAFETY DATA SHEET

LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Components

Toxicity to fish : alcohols, c12-16, ethoxylated >5EO
LC50: 1,5 mg/l

Alcohol ethoxylate
48 h LC50 *Leuciscus idus* (Golden orfe): > 1 mg/l

dodecylbenzene sulfonic acid
96 h LC50: 4,3 mg/l

Anionic surfactants
48 h LC50 *Oryzias latipes* (Orange-red killifish): 20 mg/l
Test substance: Information given is based on data obtained from similar substances.

2-methylpentane-2,4-diol
96 h LC50 Fish: 8.510 mg/l

Dodecyldimethylamine oxide
96 h LC50 *Lepomis macrochirus* (Bluegill sunfish): 31,8 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates : Alcohol ethoxylate
24 h EC50 *Daphnia magna* (Water flea): > 1 mg/l

Anionic surfactants
48 h EC50 *Daphnia magna* (Water flea): > 11,6 mg/l
Test substance: Information given is based on data obtained from similar substances.

2-methylpentane-2,4-diol
48 h EC50 *Daphnia magna* (Water flea): 2.800 mg/l

Monoethanolamine
48 h LC50 *Daphnia magna* (Water flea): 65 mg/l

Dodecyldimethylamine oxide
48 h EC50 *Daphnia magna* (Water flea): 3,9 mg/l

Components

Toxicity to algae : Alcohol ethoxylate
72 h EC50 *Desmodesmus subspicatus* (green algae): > 1 mg/l

Anionic surfactants
24 h EC50 *Desmodesmus subspicatus* (green algae): > 10 mg/l
Test substance: Information given is based on data obtained from similar substances.

2-methylpentane-2,4-diol
72 h EC50 *Pseudokirchneriella subcapitata* (green algae): > 490 mg/l

Persistence and degradability

Readily biodegradable.

SAFETY DATA SHEET

LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. INFORMATION REGARDING THE DISPOSAL OF PRODUCTS

Disposal methods : Avoid that the product entering in the body of water, drains, pipes, or the earth (grounds). Where possible, recycling is preferable to disposal or incineration in accordance with local legislation. If you can't recycle, dispose according to local regulations. Elimination of waste in approved waste disposal plants.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations. Remove as unused products. Empty containers should be brought to local recycling or waste disposal according to local legislation. Do not reuse empty containers.

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport

Not dangerous goods

Air transport (IATA)

Contact Regulatory for air freight eligibility

Sea transport (IMDG/IMO)

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

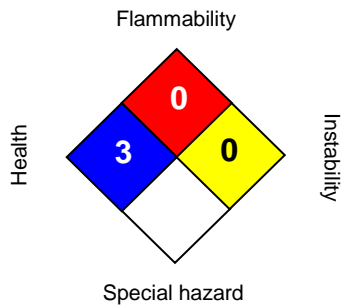
Our Safety Data Sheet (SDS) complies with Decree n ° 40705-S

SECTION 16. OTHER INFORMATION

SAFETY DATA SHEET

LIQUID LAUNDRY PREMIUM NEUTRAL DETERGENT

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 16.01.2023
Version : 1.1
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.