

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : LAUNDRY DETERGENT 160

Other means of identification : Not applicable

Recommended use : Laundry product

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Colombia S.A.  
Avenida Carrera 60 # 22-75 Parque Industrial Frapel Interior 5, 6 y 7  
Bogotá, Cundinamarca, Colômbia  
01 8000-120020

Emergency telephone : CISPROQUIM® (24 hour service) Phone:  
288 6012 / 919 1919 (Bogotá),  
01 8000 916012 (Outside of Bogotá),  
1800-59-3005 (Ecuador: solo Quito, La sierra, Centro and Norte),  
Ecolab USA and Canada 1-651-222-5352

Issuing date : 24.04.2024

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Acute toxicity (Oral) : Category 4

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 1

Short-term (acute) aquatic hazard : Category 2

Long-term (chronic) aquatic hazard : Category 3

**GHS label elements**

Hazard pictograms :  

Signal Word : Danger

Hazard Statements : Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye damage.  
Toxic to aquatic life.  
Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/ eye protection/ face protection.  
**Response:**  
IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

# SAFETY DATA SHEET

## LAUNDRY DETERGENT 160

Rinse mouth. IF ON SKIN: Wash with plenty of water. 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. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.

### Disposal:

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

### Other hazards

: None known.

### Appearance

: liquid

### Color

: cloudy, light yellow

### Odor

: slight

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

| Chemical name                        | CAS-No.                | Concentration (%) |
|--------------------------------------|------------------------|-------------------|
| alcohols, c12-16, ethoxylated >5EO   | 68551-12-2             | 10 - 30           |
| Potassium Dodecylbenzenesulphonate   | 27177-77-1             | 10 - 30           |
| Ethoxylated alcohol                  | Proprietary Ingredient | 10 - 30           |
| fatty acids, c12-18 and c18-unsatd.  | 90990-15-1             | 10 - 30           |
| 2-methylpentane-2,4-diol             | 107-41-5               | 10 - 30           |
| amines, coco alkyldimethyl, n-oxides | 61788-90-7             | 1 - 5             |
| Sulfuric acid                        | 7664-93-9              | 0,1 - 1           |

## 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.

## SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

# SAFETY DATA SHEET

## LAUNDRY DETERGENT 160

|                                                |                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unsuitable extinguishing media                 | : None known.                                                                                                                                                                                                                                                                      |
| Specific hazards during fire fighting          | : Not flammable or combustible.                                                                                                                                                                                                                                                    |
| Hazardous combustion products                  | : Decomposition products may include the following materials:<br>Carbon oxides<br>Nitrogen oxides (NOx)<br>Sulfur oxides<br>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. ACCIDENTAL RELEASE MEASURES

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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). 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. 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         | : 45 °C to 20 °C                                                                                                                                                                                                                                                                                                                                                    |

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

# SAFETY DATA SHEET

## LAUNDRY DETERGENT 160

| Components               | CAS-No.   | Form of exposure                              | Permissible concentration | Basis             |
|--------------------------|-----------|-----------------------------------------------|---------------------------|-------------------|
| 2-methylpentane-2,4-diol | 107-41-5  | CMP-C                                         | 25 ppm                    | AR OEL            |
| 2-methylpentane-2,4-diol | 107-41-5  | CEIL                                          | 25 ppm<br>121 mg/m3       | PE OEL            |
| 2-methylpentane-2,4-diol | 107-41-5  | LB                                            | 25 ppm                    | VE OEL            |
| 2-methylpentane-2,4-diol | 107-41-5  | VLE-P                                         | 25 ppm                    | NOM-010-STPS-2014 |
| 2-methylpentane-2,4-diol | 107-41-5  | TWA (Vapor)                                   | 25 ppm                    | ACGIH             |
|                          |           | STEL (Vapor)                                  | 50 ppm                    | ACGIH             |
|                          |           | STEL<br>(Inhalable fraction,<br>Aerosol only) | 10 mg/m3                  | ACGIH             |
|                          |           | Ceiling                                       | 25 ppm<br>125 mg/m3       | NIOSH REL         |
| Sulfuric acid            | 7664-93-9 | CMP                                           | 1 mg/m3                   | AR OEL            |
|                          |           | CMP - CPT                                     | 3 mg/m3                   | AR OEL            |
| Sulfuric acid            | 7664-93-9 | LPP                                           | 0,88 mg/m3                | CL OEL            |
|                          |           | LPT                                           | 3 mg/m3                   | CL OEL            |
| Sulfuric acid            | 7664-93-9 | TWA                                           | 1 mg/m3                   | PE OEL            |
|                          |           | STEL                                          | 3 mg/m3                   | PE OEL            |
| Sulfuric acid            | 7664-93-9 | LT                                            | 0,2 mg/m3                 | VE OEL            |
| Sulfuric acid            | 7664-93-9 | VLE-PPT<br>(Thoracic fraction)                | 0,2 mg/m3                 | NOM-010-STPS-2014 |
| Sulfuric acid            | 7664-93-9 | TWA (Thoracic particulate matter)             | 0,2 mg/m3                 | ACGIH             |
|                          |           | TWA                                           | 1 mg/m3                   | NIOSH REL         |
|                          |           | TWA                                           | 1 mg/m3                   | OSHA Z1           |

**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. 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.

# SAFETY DATA SHEET

## LAUNDRY DETERGENT 160

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| Appearance                              | : liquid                                       |
| Color                                   | : cloudy, light yellow                         |
| Odor                                    | : slight                                       |
| pH                                      | : 5,0 - 8,0, (100 %)                           |
| Flash point                             | : Not applicable, Does not sustain combustion. |
| 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                        | : No data available                            |
| 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                    | : No data available                            |
| 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 | : No dangerous reaction known under conditions of normal use.                                |
| Conditions to avoid                | : None known.                                                                                |
| Incompatible materials             | : None known.                                                                                |
| Hazardous decomposition products   | : In case of fire hazardous decomposition products may be produced such as:<br>Carbon oxides |

# SAFETY DATA SHEET

## LAUNDRY DETERGENT 160

Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus

### SECTION 11. TOXICOLOGICAL INFORMATION

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

#### 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 nose, throat, and lung irritation.                |
| Chronic Exposure | : Health injuries are not known or expected under normal use. |

#### 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 : 1.285 mg/kg   |
| Acute inhalation toxicity         | : No data available                       |
| 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                   | : Not classifiable as a human carcinogen. |
| 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

# SAFETY DATA SHEET

## LAUNDRY DETERGENT 160

### Ecotoxicity

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

### Product

Toxicity to fish : No data available

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

Potassium Dodecylbenzenesulphonate  
96 h LC50 Fish: 3,2 mg/l

fatty acids, c12-18 and c18-unsatd.  
96 h LC50 Fish: > 3,2 mg/l

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

Sulfuric acid  
96 h LC50: 22 mg/l

### Components

Toxicity to daphnia and other aquatic invertebrates : 2-methylpentane-2,4-diol  
48 h EC50 Daphnia magna (Water flea): 2.800 mg/l

### Components

Toxicity to algae : Ethoxylated alcohol  
72 h EC50 green algae: > 10 mg/l

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

### Persistence and degradability

Biodegradable

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Do not contaminate storm water drains, natural waterways or soil with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

# SAFETY DATA SHEET

## LAUNDRY DETERGENT 160

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

### 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: generally applicable for transport in Colombia.**

Not dangerous goods

**Air transport (IATA)**

Contact Regulatory for air freight eligibility

**Sea transport (IMDG/IMO)**

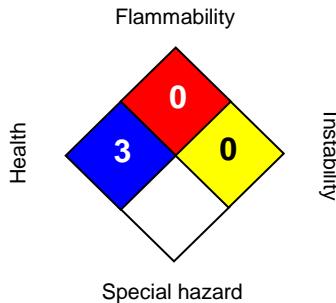
Not dangerous goods

### SECTION 15. REGULATORY INFORMATION

Colômbia: Our MSDS complies with the requirements established by Colombian Technical Regulation 4435 and Colombian Technical Regulation 1692

### SECTION 16. OTHER INFORMATION

**NFPA:**



**HMIS III:**

|                 |   |
|-----------------|---|
| HEALTH          | 3 |
| FLAMMABILITY    | 0 |
| PHYSICAL HAZARD | 0 |

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

Issuing date : 24.04.2024  
Version : 1.3  
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

**SAFETY DATA SHEET****LAUNDRY DETERGENT 160**

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.