

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : STAINBLASTER ENZYME BOOST

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 Argentina S.R.L.
Street 11 N° 978
Industrial Park Pilar - Pilar, Buenos Aires Argentina Zip Code:
B1629MXA
+54 (230) 467-1000

Emergency telephone : Argentina: CIQUIME: 0800-222-2933 / 11 4552-8747 (24 hours),
National Poison Control Center: 0800 333 0160 (24 hours)

Uruguay: CIQUIME (+54) 11 0800-222-2933 / (+54) 11 4552-8747 (24 hours). CIAT (Toxicological Information and Advice Center): 1722 (24 hours).

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SECTION 2. HAZARDS IDENTIFICATION
GHS Classification

Skin corrosion/irritation : Category 3
Serious eye damage/eye irritation : Category 2A
Short-term (acute) aquatic hazard : Category 3

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Causes mild skin irritation.
Causes serious eye irritation.
Harmful to aquatic life.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling. Avoid release to the environment. Wear eye protection/ face protection.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin

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irritation occurs: Get medical advice/ attention. If eye irritation persists:
Get medical advice/ attention.

Disposal:

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

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
glycerin	56-81-5	10 - 30
Dodecylbenzenesulphonic acid, compound with 2,2',2''-nitrilotriethanol (1:1)	27323-41-7	10 - 30
Soap	61790-64-5	5 - 10
Tripropylene glycol monomethyl ether	25498-49-1	1 - 5
alcohols, c12-16, ethoxylated >5EO	68551-12-2	1 - 5
Isopropanol	67-63-0	1 - 5
citric acid, potassium salt	7778-49-6	1 - 5
triethanolamine	102-71-6	1 - 5
sodium metabisulphite	7681-57-4	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.
In case of skin contact	: Rinse with plenty of water.
If swallowed	: Rinse mouth. Get medical attention if symptoms occur.
If inhaled	: 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.
Unsuitable extinguishing media	: None known.
Specific hazards during fire fighting	: Fire Hazard Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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- 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 : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition. 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 : Eliminate all ignition sources if safe to do so. 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 : Avoid contact with skin and eyes. Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). 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 away from heat and sources of ignition. Keep away from oxidizing agents. Keep out of reach of children. Store in suitable labeled containers.
- Storage temperature : 0 °C to 50 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
glycerin	56-81-5	GV (Mist)	10 mg/m ³	AR OEL
glycerin	56-81-5	TWA	10 mg/m ³	ACGIH
		TWA (respirable fraction)	5 mg/m ³	OSHA Z1
Isopropyl Alcohol	67-63-0	GV	400 ppm	AR OEL
		CMP - CPT	500 ppm	AR OEL
Isopropanol	67-63-0	TWA	200 ppm	ACGIH

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		STEL	400 ppm	ACGIH
		STEL	500 ppm 1.225 mg/m ³	NIOSH REL
		TWA	400 ppm 980 mg/m ³	NIOSH REL
		TWA	400 ppm 980 mg/m ³	OSHA Z1
triethanolamine	102-71-6	GV	5 mg/m ³	AR OEL
triethanolamine	102-71-6	TWA	5 mg/m ³	ACGIH
sodium metabisulphite	7681-57-4	GV	5 mg/m ³	AR OEL
sodium metabisulphite	7681-57-4	TWA	5 mg/m ³	ACGIH
		TWA	5 mg/m ³	NIOSH REL

Biological occupational exposure limits

Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Alcohols	Proprietary Ingredient	Acetone	Urine		2 mg/g creatinine	AR BEI

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: clear, yellow
Odor	: Perfumes, fragrances
pH	: 7,0 - 8,5, (100 %)
Flash point	: 43 °C closed cup, Does not sustain combustion.
Odor Threshold	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: > 100 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available

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Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 0,99 - 1,19
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	: 68,931 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	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Heat, flames and sparks.
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

Potential Health Effects

Eyes	: Causes serious eye irritation.
Skin	: Causes mild skin irritation.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

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Experience with human exposure

Eye contact	: Redness, Pain, Irritation
Skin contact	: slight irritation
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.

Toxicity

Product

Acute oral toxicity	: Acute toxicity estimate : > 5.000 mg/kg
Acute inhalation toxicity	: 4 h Acute toxicity estimate : > 40 mg/l Test atmosphere: vapor
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	: Harmful to aquatic life.
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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	: glycerin 96 h LC50 Fish: 855 mg/l Dodecylbenzenesulphonic acid, compound with 2,2',2''-nitrilotriethanol (1:1) 96 h LC50: 2,5 mg/l alcohols, c12-16, ethoxylated >5EO
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LC50: 1,5 mg/l

Isopropanol

96 h LC50 Pimephales promelas: 9.640 mg/l

citric acid, potassium salt

96 h LC50 Fish: 18.000 mg/l

triethanolamine

96 h LC50: 11.800 mg/l

sodium metabisulphite

96 h LC50 Fish: 150 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates : Isopropanol
LC50 Daphnia magna (Water flea): > 10.000 mg/l

triethanolamine

48 h EC50: 609,88 mg/l

Components

Toxicity to algae : Tripropylene glycol monomethyl ether
96 h EC50: 9.069 mg/l

triethanolamine

72 h EC50: > 100 mg/l

Persistence and degradability

No data available

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.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use 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.

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Land transport

Not dangerous goods

Air transport (IATA)

Contact Regulatory for air freight eligibility

Sea transport (IMDG/IMO)

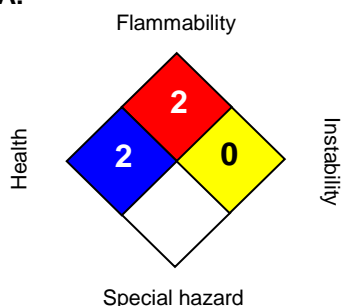
Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Argentina: Our Material Safety Data Sheet (MSDS) complies with the Resolution R.S.T. 801/15.

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0

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

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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.