SAFETY DATA SHEET

ECO CLEAN Laundry Alkaline

Product codes: D11075, D11077

Version 1 | Issue date 2026-10-26 | Supersedes Earlier SDS, unnumbered

SECTION 1. IDENTIFICATION

Product identifier

Product name ECO CLEAN Laundry Alkaline

Other means of identification EcoClean Laundry Alkaline; ECO CLEAN Alkaline Detergent; Laundry Alkaline

Product code	Package	Net contents	UPC
D11075	Pail	5 US gal (18.93 L)	787302110759
D11077	Drum	55 US gal (208.2 L)	787302110773

Recommended use and restrictions on use

Recommended use Concentrated alkaline builder for industrial and institutional laundries. Boosts the alkalinity of the wash and helps remove greasy and oily soils and stains. For use through automatic dispensing systems; consult a Gascó technician for the dosage.

Restrictions on use For professional and institutional laundry use only. Feed into the wash through the dispensing system; do not mix the undiluted product with acids, laundry sours, bleach or other chemicals. Do not use on aluminum, zinc, tin or galvanized metal.

Manufacturer or supplier

Company Gascó Industrial Corp.

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Mailing address PO Box 1360, Gurabo, PR 00778

Telephone (787) 737-4000

Email orders@gascoindustrial.com

Website www.gascoindustrial.com

Emergency telephone number

Poison Control 1-800-222-1222 (24 hours)

SECTION 2. HAZARD(S) IDENTIFICATION

Classification of the chemical

Corrosive to metals Category 1

Skin corrosion/irritation Category 1

Serious eye damage/eye irritation Category 1

Label elements



Signal word

Danger

Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Precautionary statements

Prevention

P102 Keep out of reach of children.

P234 Keep only in original packaging.

P260 Do not breathe mists or vapors.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

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 or shower.

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a poison center/doctor.

P321 Specific treatment (see Section 4 of this Safety Data Sheet).

P363 Wash contaminated clothing before reuse. **P390** Absorb spillage to prevent material damage.

Storage

P405 Store locked up. **P406** Store in a corrosion resistant container.

Disposal

P501 Dispose of contents/container in accordance with local, state and federal regulations.

Other hazards

Hazards of chemical reaction products None known **Hazards not otherwise classified (HNOC)** None known

Other hazards which do not result in classification Mist or spray of the product is corrosive to the nose, throat and respiratory tract. Contact with aluminum, zinc, tin or galvanized metal can release flammable hydrogen gas. Spilled product makes floors slippery.

Unknown acute toxicity Approx. 11% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or mixture Mixture

Chemical name	CAS number or other identifier	Concentration (%)	GHS classification
Sodium hydroxide	1310-73-2	7 to 13 (w/w)	Corrosive to metals, Category 1 (H290); Skin corrosion/irritation, Category 1A (H314); Serious eye damage/eye irritation, Category 1 (H318); Hazardous to the aquatic environment, acute hazard, Category 3 (H402)
Water	7732-18-5	Balance	Not classified

Concentrations are percent by weight. The exact percentage of sodium hydroxide has been withheld as a trade secret under 29 CFR 1910.1200(i); its concentration is given as a range.

SECTION 4. FIRST-AID MEASURES

Inhalation Move the person to fresh air and keep at rest in a position comfortable for breathing. If the person is not breathing, call 911 or an ambulance, then give artificial respiration. Call Poison Control at 1-800-222-1222 or a doctor for further treatment advice.

Skin contact Take off contaminated clothing and shoes immediately. Rinse skin immediately with plenty of water or shower for 15 to 20 minutes. Call Poison Control at 1-800-222-1222 or a doctor immediately for treatment advice. Wash contaminated clothing before reuse; discard contaminated leather shoes and belts.

Eye contact Immediately hold the eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call Poison Control at 1-800-222-1222 or a doctor immediately and get medical attention without delay.

Ingestion Call Poison Control at 1-800-222-1222 or a doctor immediately for treatment advice. Rinse mouth with water. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by Poison Control or a doctor. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, acute and delayed Eyes: severe pain, redness and burns; may cause permanent eye damage, including blindness. Skin: redness, pain and chemical burns; alkali burns may not hurt at first and deepen if not washed off. Ingestion: burns of the mouth, throat and stomach, pain, nausea and vomiting. Inhalation of mist: burning of the nose and throat, coughing and shortness of breath.

Immediate medical attention and special treatment Treat as an alkali burn. Do not attempt to neutralize. Probable mucosal damage may contraindicate the use of gastric lavage. After ingestion, assess for injury to the esophagus and stomach. Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media The product does not burn. Use extinguishing media suitable for the surrounding fire. Use water spray to cool exposed containers.

Unsuitable extinguishing media Do not use a solid water stream; it may scatter the corrosive liquid.

Specific hazards arising from the chemical Not flammable. The product is a water-based solution and has no flash point. Contact with aluminum, zinc, tin or galvanized metal can release flammable hydrogen gas. Containers may rupture when heated.

Special protective equipment and precautions for fire-fighters Wear positive-pressure self-contained breathing apparatus and full protective fire-fighting gear, with chemical-resistant clothing where contact with the product is possible. Cool containers exposed to fire with water spray from a safe distance. Contain runoff from fire control; it is alkaline and corrosive.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Keep unprotected personnel away. Ventilate the area. Avoid contact with eyes, skin and clothing and avoid breathing mist. Wear the protective equipment listed in Section 8, including goggles, a face shield, chemical-resistant gloves and boots. Spilled product makes floors very slippery.

Environmental precautions Prevent entry into drains, sewers and waterways; the undiluted product is strongly alkaline and its high pH harms aquatic life (see Section 12). Notify the authorities if the product reaches sewers or waterways, as required by applicable regulations.

Methods and materials for containment and cleaning up Stop the leak if it can be done without risk. Contain the spill with sand, earth or another inert absorbent. Collect the absorbed material in closed, labeled plastic containers for disposal. Rinse the area with plenty of water and prevent the rinse water from entering drains unless local rules allow it.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling Do not get in eyes, on skin or on clothing. Do not breathe mist or spray. Wear the protective equipment listed in Section 8 when connecting, changing or transferring pails or drums. When diluting, add the product to the water. Never mix the undiluted product with acids, laundry sours, bleach or other chemicals; keep the feed lines of each product separate and labeled. Do not use on aluminum, zinc, tin or galvanized metal. Use with adequate ventilation. For professional use only. Wash thoroughly with soap and water after handling. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities Store in the original, closed container in a cool, well-ventilated area, out of direct sunlight and away from heat, at 5 to 40 °C (41 to 104 °F). Store locked up. Keep away from acids, laundry sours and the other incompatible materials listed in Section 10. Store away from food and food packaging materials. Do not store in aluminum, galvanized or other reactive metal containers; the original plastic pails and drums are suitable.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Component	CAS number	OSHA PEL	ACGIH TLV	NIOSH REL	IDLH
Sodium hydroxide	1310-73-2	2 mg/m³ TWA	2 mg/m³ ceiling	2 mg/m³ ceiling	10 mg/m³

Components without established occupational exposure limits: Water.

Exposure controls and personal protective equipment

Other exposure guidelines No other ingredient present at 0.1% or more has an OSHA, ACGIH or NIOSH limit.

Engineering controls General ventilation is normally adequate for use as directed. Use local exhaust ventilation where mist is generated in enclosed areas and at transfer points. Provide an eyewash station and safety shower close to where pails and drums are connected or transferred.

Eye and face protection Chemical splash goggles. Add a face shield when connecting, changing or transferring pails or drums, or wherever splashing is likely.

Hand protection Alkali-resistant gloves, such as nitrile, neoprene, butyl rubber or polyvinyl chloride. Confirm breakthrough time with the glove manufacturer for the conditions of use.

Body protection Long sleeves, a chemical-resistant apron and chemical-resistant boots when handling the undiluted product or where splashing is likely.

Respiratory protection Not normally required with adequate ventilation when used as directed. If mist exposure may exceed the limits, use a NIOSH-approved respirator with P100 particulate filters, under a respiratory protection program that meets 29 CFR 1910.134.

General hygiene Wash thoroughly with soap and water after handling and before eating, drinking or smoking. Remove contaminated clothing and wash it before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Color**	Clear, colorless
Odor	Odorless	**Odor threshold**	No data available
Melting point/freezing point	No data available	**Initial boiling point and boiling range**	Greater than 100 °C (212 °F)
Flammability	Not flammable	**Flammability limits in air**	Not applicable
Flash point	No flash point (water-based solution)	**Auto-ignition temperature**	Not applicable
Decomposition temperature	No data available	**pH**	13 to 14 (undiluted)
Kinematic viscosity	No data available	**Solubility in water**	Completely miscible
Partition coefficient n-octanol/water (log value)	No data available		
Vapor pressure	Approx. 2.3 kPa (17 mmHg) at 20 °C (68 °F), mainly water		
Evaporation rate	No data available		
Density	1.10 to 1.20 g/cm³ (9.2 to 10.0 lb/US gal) (product specification)		
Relative density (water = 1)	1.10 to 1.20	**Relative vapor density (air = 1)**	Approx. 0.6, as water vapor
Particle characteristics	Not applicable		

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Reacts with acids, generating heat. Corrodes aluminum, zinc, tin and galvanized metal, releasing flammable hydrogen gas.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Contact with acids or laundry sours causes a vigorous reaction with heat and spattering. Contact with ammonium salts releases ammonia gas. Contact with aluminum, zinc, tin or galvanized metal releases flammable hydrogen gas. Hazardous polymerization does not occur.
Conditions to avoid	Freezing, heat and contact with incompatible materials.
Incompatible materials	Acids and laundry sours, ammonium salts, strong oxidizing agents, and aluminum, zinc, tin, galvanized metal and other reactive metals.
Hazardous decomposition products	None expected under normal conditions of storage and use. Hydrogen in contact with reactive metals. When heated to dryness: sodium oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure	Eye contact, skin contact, inhalation of mist or spray, and ingestion.
Symptoms	Eyes: severe pain, redness and burns; may cause permanent damage, including blindness. Skin: redness, pain and chemical burns; alkali burns may not hurt at first. Ingestion: burns of the mouth, throat and stomach, pain, nausea and vomiting. Inhalation of mist: burning of the nose and throat and coughing.
Delayed and immediate effects and chronic effects	Immediate: severe burns of the eyes, skin and mucous membranes. Delayed: alkali burns may deepen for hours if the product is not washed off. Chronic: repeated skin contact with dilute solutions may dry or irritate the skin.
Acute toxicity	Not classified
Acute toxicity estimates (ATE)	Oral: not established; the acute oral toxicity of the sodium hydroxide is not known (see Section 2). Dermal: greater than 5,000 mg/kg (calculated). Inhalation: no data available for the product; not classified.
Skin corrosion/irritation	Category 1. Causes severe skin burns. Classified under 29 CFR 1910.1200 Appendix A (additivity method, Table A.2.3): the product contains more than 5% of an ingredient classified as corrosive to skin, and it is strongly alkaline (pH 13 to 14).
Serious eye damage/eye irritation	Category 1. Causes serious eye damage, which may be permanent.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified. No ingredient present at 0.1% or more is classified as a germ cell mutagen.
Carcinogenicity	Not classified. No ingredient present at 0.1% or more is listed as a carcinogen or potential carcinogen by NTP, IARC or OSHA.
Reproductive toxicity	Not classified
Specific target organ toxicity, single exposure	Not classified. Mist of the product may burn the nose, throat and respiratory tract.

Specific target organ toxicity, repeated exposure	Not classified
Aspiration hazard	Not classified
Interactive effects	None known

Component data: Sodium hydroxide

LD50 dermal, rabbit	1,350 mg/kg	**Skin corrosion**	Corrosive (Category 1A)

SECTION 12. ECOLOGICAL INFORMATION

Component data: Sodium hydroxide

LC50 fish, 96 h	125 mg/L (Gambusia affinis)	**LC50 daphnia, 48 h**	40 mg/L (Ceriodaphnia dubia)

Persistence, bioaccumulation, mobility and other effects

Ecotoxicity	No data available for the product. The undiluted product is strongly alkaline, and its high pH harms aquatic life.
Persistence and degradability	No data available for the product. The sodium hydroxide is neutralized in natural waters.
Bioaccumulative potential	The sodium hydroxide is not expected to bioaccumulate.
Mobility in soil	The product is miscible with water.
Other adverse effects	The undiluted product is strongly alkaline and can raise the pH of receiving waters. Do not release undiluted product to surface water, sewers or storm drains.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods	Dispose of contents and container at a permitted hazardous waste facility in accordance with local, state and federal regulations. Do not discharge to storm drains, sewers or waterways without authorization. Do not mix the waste with acids.
RCRA waste code	D002 (corrosive waste) when discarded, because the pH is 12.5 or higher (40 CFR 261.22). Not ignitable (D001): the product is a water-based solution with no flash point.
Contaminated packaging	Empty pails and drums retain residue. Rinse them with water, add the rinse water to the wash, and dispose of the rinsed containers, or send drums to a container reconditioner, in accordance with local regulations. Do not reuse them for other products. Keep empty pails away from young children, who can drown in a pail that holds liquid.

SECTION 14. TRANSPORT INFORMATION

	DOT (US ground)	IMDG (sea)	IATA (air)
UN number	UN1824	UN1824	UN1824
UN proper shipping name	Sodium hydroxide solution	Sodium hydroxide solution	Sodium hydroxide solution
Transport hazard class	8	8	8
Packing group	II	II	II
Hazard labels	Corrosive	Corrosive	Corrosive
Marine pollutant	No	No	Not applicable

Packages	Plastic pail of 5 US gal (18.93 L), about 46 to 50 lb (21 to 23 kg) of product; drum of 55 US gal (208.2 L), about 505 to 550 lb (229 to 250 kg) of product. Both exceed the limited quantity limits for inner packagings, so they ship fully regulated: UN specification packaging, UN1824 and proper shipping name marks, Corrosive label, shipping paper and emergency response information.
Emergency response guide	ERG Guide 154
Transport in bulk according to MARPOL Annex II	Not applicable (shipped in packages, not in ship tanks)
Special precautions for user	Keep away from acids and laundry sours during transport. Keep containers upright and closed and secure drums against movement.

SECTION 15. REGULATORY INFORMATION

OSHA hazard communication	This product is a hazardous chemical under 29 CFR 1910.1200.
TSCA inventory	The ingredients listed in Section 3 are listed as active on the TSCA Inventory.
SARA 302 extremely hazardous substances	Not listed
SARA 311/312 hazard categories	Corrosive to metal; skin corrosion or irritation; serious eye damage or eye irritation.
SARA 313 toxic chemicals	No ingredient listed in Section 3 is subject to the supplier notification requirements of 40 CFR 372.

CERCLA reportable quantity	The sodium hydroxide (Section 3) is a CERCLA hazardous substance with a reportable quantity (RQ) of 1,000 lb. Based on the upper limit of its Section 3 concentration range, evaluate releases of about 7,700 lb (about 830 US gal) or more of the product for reporting to the National Response Center (40 CFR 302.6).
CWA section 311	The sodium hydroxide is a section 311 hazardous substance (40 CFR 116.4).
New Jersey right-to-know	Contains a substance on the New Jersey right-to-know hazardous substance list.
Pennsylvania right-to-know	Contains a substance on the Pennsylvania right-to-know hazardous substance list.
Massachusetts right-to-know	Contains a substance on the Massachusetts right-to-know list.
California Proposition 65	No ingredient listed in Section 3 is on the Proposition 65 list.

SECTION 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of preparation or last revision

Issue date	2026-10-26	**Version**	1
Date of first issue	2026-10-26	**Supersedes**	Earlier SDS, unnumbered

Hazard ratings

NFPA 704



HMIS

Health	3
Flammability	0
Physical hazard	0

NFPA 704 ratings run from 0 (minimal hazard) to 4 (severe hazard). HMIS rating scale: 0 minimal, 1 slight, 2 moderate, 3 serious, 4 severe. Personal protection: see Section 8.

NFPA 704 and HMIS ratings are provided for reference only and are not part of the GHS classification.

References

1. OSHA Hazard Communication Standard, 29 CFR 1910.1200, Appendices A to D, as amended May 20, 2024.
2. US DOT Hazardous Materials Regulations, 49 CFR 171 to 180.

Disclaimer

The information in this Safety Data Sheet is believed to be accurate as of the issue date and is given in good faith as a guide to safe handling, use, storage, transport and disposal. It is not a product specification and no warranty, express or implied, is made. Users must determine the suitability of the product for their own purposes and comply with all applicable laws and regulations. Gascó Industrial Corp. accepts no liability for loss or damage resulting from the use of this information or of the product.

Document control

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Revision history

Version	Date	Summary of changes
1	2026-10-26	First issue.

Review and approval

Role	Name	Title	Signature	Date
Prepared by	Quality Assurance	Gascó Industrial Corp.		
Reviewed by	Dan N. Bigman-Montalvo	CEO, Gascó Industrial Corp.		
Approved by	Dan N. Bigman-Montalvo	CEO, Gascó Industrial Corp.		

Prepared in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200.

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