SAFETY DATA SHEET

ECO CLEAN Dish Rinse Additive

Product code: D11028

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

SECTION 1. IDENTIFICATION

Product identifier

Product name ECO CLEAN Dish Rinse Additive

Other means of identification EcoClean Dish Rinse Additive; Dish Rinse Additive; Rinse aid

Product code	Package	Net contents	UPC
D11028	Case of 4 jugs	4 x 1 US gal (3.785 L)	787302110285

Recommended use and restrictions on use

Recommended use Rinse aid for commercial automatic dishwashing machines. Fed into the final rinse water by the machine's dispensing equipment, it lowers the surface tension of the water so that it sheets off the dishes, helping to prevent spots and film and to speed drying. Use according to the dishwasher instructions.

Restrictions on use For professional use only, through dishwasher dispensing equipment. Not for hand dishwashing. Do not mix with chlorine bleach or chlorinated products, which can release chlorine gas, or with other cleaning products or chemicals.

Manufacturer or supplier

Company Gascó Industrial Corp.

Address Calle A Lote 3, Rincón Industrial Park, Gurabo, PR 00778

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

Serious eye damage/eye irritation Category 2A

Label elements



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

Prevention

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P280 Wear eye protection/face protection.

Response

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

P337+P313 If eye irritation persists: Get medical advice/attention.

Disposal

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

Other hazards

Hazards of chemical reaction products	Mixing with chlorine bleach or other hypochlorites releases chlorine gas.		
Hazards not otherwise classified (HNOC)	None known	**Other hazards which do not result in classification**	Spilled product makes floors slippery.
Unknown acute toxicity	Approx. 1.9%, 5% and 5% of the mixture consist of ingredients of unknown acute oral, dermal and inhalation toxicity, respectively.		

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or mixture Mixture

Chemical name	CAS number or other identifier	Concentration (%)	GHS classification
Ethyl alcohol	64-17-5	8.9 to 9.2 (w/w)	Flammable liquids, Category 2 (H225); Serious eye damage/eye irritation, Category 2A (H319)
Organic acid	Trade secret	1 to 5 (w/w)	Serious eye damage/eye irritation, Category 2A (H319)
Water	7732-18-5	Balance	Not classified

Concentrations are percent by weight. The specific chemical identity and exact percentage of the organic acid have 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 If vapor or mist is inhaled and irritation occurs, move the person to fresh air. Get medical attention if symptoms persist.

Skin contact Take off contaminated clothing. Rinse skin with plenty of water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

Eye contact 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. If eye irritation persists, call Poison Control at 1-800-222-1222 or a doctor.

Ingestion Rinse mouth with water. If the person is able to swallow, have the person sip a glass of water. Do not induce vomiting unless told to do so by Poison Control or a doctor. Never give anything by mouth to an unconscious person. Call Poison Control at 1-800-222-1222 or a doctor for treatment advice. A child who swallows the product should be seen by a doctor.

Most important symptoms and effects, acute and delayed Eyes: redness, tearing, stinging and blurred vision. Skin: dryness and mild irritation after prolonged or repeated contact. Ingestion: irritation of the mouth and throat, nausea and stomach discomfort; drowsiness if a large amount is swallowed. Inhalation of mist or vapor: irritation of the nose and throat. Delayed: none known.

Immediate medical attention and special treatment Treat symptomatically. After ingestion by a child, monitor breathing, level of consciousness and blood sugar. Have the product container or this Safety Data Sheet with you when calling Poison Control or a doctor, or going for treatment.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use media suitable for the surrounding fire. The product is a water-based solution and is not flammable.

Unsuitable extinguishing media None known

Specific hazards arising from the chemical The product is an aqueous solution and is not expected to sustain combustion. If the water evaporates in a fire, the residue may burn and release carbon monoxide and carbon dioxide. Plastic jugs exposed to fire may melt or burst and release liquid.

Hazardous combustion products Carbon monoxide and carbon dioxide.

Special protective equipment and precautions for fire-fighters Wear positive-pressure self-contained breathing apparatus and full protective fire-fighting gear. Cool containers exposed to fire with water spray from a safe distance. Contain runoff from fire control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Ventilate the area. Avoid contact with eyes and skin. Wear the protective equipment listed in Section 8. Spilled product makes floors slippery.

Environmental precautions Prevent large spills from entering drains, sewers and waterways.

Methods and materials for containment and cleaning up Stop the leak if it can be done without risk. Absorb with sand, earth or other non-combustible absorbent material and place it in a closed container for disposal. Rinse the area with water.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling Avoid contact with eyes and avoid breathing mist. Wear eye protection when connecting, changing or refilling containers on dispensing equipment. Use only through dishwasher dispensing equipment, as directed on the label. Do not mix with chlorine bleach or other cleaning products or chemicals. Wash hands thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities Store in the original container, tightly closed, in a cool, well-ventilated area out of direct sunlight. Avoid storage above 40 °C (104 °F). Keep out of reach of children. Keep away from bleach, strong oxidizing agents, strong bases and the other incompatible materials listed in Section 10.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Component	CAS number	OSHA PEL	ACGIH TLV	NIOSH REL	IDLH
Ethyl alcohol	64-17-5	1,000 ppm (1,900 mg/m³) TWA	1,000 ppm STEL; A3 (confirmed animal carcinogen with unknown relevance to humans)	1,000 ppm (1,900 mg/m³) TWA	3,300 ppm

Components without established occupational exposure limits: Organic acid, Water.

Exposure controls and personal protective equipment

Other exposure guidelines No other ingredient listed in Section 3 has an OSHA, ACGIH or NIOSH limit.

Engineering controls General ventilation is adequate for use as directed; the product is fed to the machine by closed dispensing equipment. Provide an eyewash station where containers are connected to dispensing equipment.

Eye and face protection Safety glasses with side shields when handling the undiluted product, or chemical splash goggles if splashing is likely, such as when pouring or changing containers.

Hand protection Nitrile or butyl rubber gloves for prolonged contact with the undiluted product or for spill cleanup.

Body protection No special protective clothing is required. Change clothing that becomes wet with the product.

Respiratory protection Not normally required with adequate ventilation. If the exposure limits may be exceeded, use a NIOSH-approved respirator with organic vapor cartridges (29 CFR 1910.134).

General hygiene Wash hands after handling and before eating, drinking or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Color**	Blue
Odor	Mild alcohol odor	**Odor threshold**	Ethyl alcohol: 84 ppm
Melting point/freezing point	No data available		
Initial boiling point and boiling range	Approx. 92 °C (198 °F), estimated for the ethyl alcohol and water solution		
Flammability	Not flammable	**Flammability limits in air**	Not applicable
Flash point	Aqueous solution, not expected to sustain combustion		
Auto-ignition temperature	Not applicable (water-based solution)	**Decomposition temperature**	No data available
pH	3.1 (undiluted)		
Kinematic viscosity	Less than 5 mm²/s (thin, water-like liquid)		
Solubility in water	Completely miscible	**Partition coefficient n-octanol/water (log value)**	Ethyl alcohol: log Kow -0.31
Vapor pressure	Approx. 3 kPa (23 mmHg) at 20 °C (68 °F); mainly water		
Evaporation rate	Ethyl alcohol evaporates rapidly	**Density**	1.00 g/cm³ (8.3 lb/US gal), measured

Relative density (water = 1)	1.00	**Relative vapor density (air = 1)**	Ethyl alcohol: 1.59
Particle characteristics	Not applicable		

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No hazardous reactions are known under normal conditions of storage and use.
Chemical stability	Stable under recommended storage and handling conditions.
Possibility of hazardous reactions	Mixing with chlorine bleach or other hypochlorites releases chlorine gas. Reacts with strong oxidizing agents. Hazardous polymerization does not occur.
Conditions to avoid	Storage above 40 °C (104 °F) and mixing with chlorine bleach or other chemicals.
Incompatible materials	Hypochlorites such as chlorine bleach, strong oxidizing agents and strong bases.
Hazardous decomposition products	None expected under normal conditions of storage and use. Carbon monoxide and carbon dioxide when burned. Chlorine gas if mixed with bleach.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure	Eye contact, skin contact, inhalation and ingestion.
Symptoms	Eyes: redness, tearing, stinging and blurred vision. Skin: dryness and mild irritation after prolonged or repeated contact. Ingestion: irritation of the mouth and throat, nausea and stomach discomfort; the product tastes very bitter. Inhalation of mist or vapor: irritation of the nose and throat.
Delayed and immediate effects and chronic effects	Immediate: eye irritation. Delayed: none known. Chronic: prolonged or repeated skin contact may dry the skin.
Acute toxicity	Not classified
Acute toxicity estimates (ATE)	Not applicable. No ingredient present at 1% or more falls into an acute toxicity category, so the product has no acute toxicity estimate.
Skin corrosion/irritation	Not classified (pH 3.1). Prolonged or repeated contact may dry the skin.
Serious eye damage/eye irritation	Category 2A. Causes serious eye irritation, based on the ingredients: ethyl alcohol and the organic acid are eye irritants and together make up more than 10% of the product.
Respiratory or skin sensitization	Not classified. The preservative contains skin sensitizers, below the concentration that would classify the product; persons already sensitized may react.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified. OSHA does not regulate ethyl alcohol as a carcinogen. IARC (Group 1) and NTP classify the drinking of alcoholic beverages, and the ethanol in them, as carcinogenic to humans; this does not apply to this product. No other ingredient listed in Section 3 is listed by NTP, IARC or OSHA. ACGIH: ethyl alcohol is A3.
Reproductive toxicity	Not classified
Specific target organ toxicity, single exposure	Not classified. Mist may irritate the nose and throat.
Specific target organ toxicity, repeated exposure	Not classified
Aspiration hazard	Not classified
Interactive effects	None known

Component data: Ethyl alcohol

LD50 oral, rat	10,470 mg/kg	**LD50 dermal, rat**	20 mL/kg (approx. 15,800 mg/kg)
LC50 inhalation (vapor), rat, 4 h	124.7 mg/L	**Skin irritation, rabbit**	Not irritating
Eye irritation, rabbit	Irritating; reversible within 21 days	**Skin sensitization, mouse (local lymph node assay)**	Negative
Gene mutation, mammalian cells (in vitro)	Negative		

Component data: Organic acid

LD50 oral, rat	5,400 mg/kg	**LD50 dermal, rat**	Greater than 2,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Component data: Ethyl alcohol

LC50 fish, 96 h	12.0 to 16.0 mL/L, approx. 9,500 to 12,600 mg/L (Oncorhynchus mykiss)		
EC50 daphnia, 48 h	9,268 to 14,221 mg/L (Daphnia magna)	**NOEC daphnia, 9 days**	9.6 mg/L (Daphnia magna)
EC50 algae, 72 h	275 mg/L (Chlorella vulgaris)		

Persistence, bioaccumulation, mobility and other effects

Ecotoxicity	No data available for the product. Ethyl alcohol and the organic acid have low aquatic toxicity.
Persistence and degradability	No data available for the product. Ethyl alcohol and the organic acid are readily biodegradable.
Bioaccumulative potential	Low. Ethyl alcohol: log Kow -0.31; the ingredients are not expected to bioaccumulate.
Mobility in soil	The product is miscible with water.
Other adverse effects	Not classified as hazardous to the aquatic environment. Ethyl alcohol is a volatile organic compound (VOC) that can contribute to ground-level ozone formation.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods	Dispose of contents and container in accordance with local, state and federal regulations. Do not discharge undiluted product to storm drains or waterways.
RCRA waste code	None. When discarded unused, the product is not a listed hazardous waste. It is not an ignitable waste (D001): 40 CFR 261.21(a)(1) excludes aqueous solutions containing less than 24% alcohol by volume and at least 50% water by weight. It is not corrosive (D002: pH 3.1) or reactive, and it contains none of the toxicity characteristic contaminants of 40 CFR 261.24.
Contaminated packaging	Do not reuse or refill empty jugs. Rinse empty containers with water, add the rinse water to the use solution, and dispose of the containers in the trash or as local regulations allow.

SECTION 14. TRANSPORT INFORMATION

	DOT (US ground)	IMDG (sea)	IATA (air)
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	Not applicable	Not applicable	Not applicable
Transport hazard class	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable
Hazard labels	Not applicable	Not applicable	Not applicable
Marine pollutant	No	No	Not applicable
Notes	Not regulated. No package contains a CERCLA reportable quantity (see Section 15).	Not regulated. Not a marine pollutant.	Not regulated.

Packages	Case of 4 plastic jugs of 1 US gal (3.785 L), about 33 lb (15.1 kg) of product per case.
Emergency response guide	Not applicable (not regulated for transport)
Transport in bulk according to MARPOL Annex II	Not applicable (shipped in packages, not in ship tanks)
Special precautions for user	Keep jugs upright and closed. Keep away from bleach.

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	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	No ingredient listed in Section 3 is a CERCLA hazardous substance.
New Jersey right-to-know	Ethyl alcohol is listed (substance number 0844) and is on the Special Health Hazard Substance List.
Pennsylvania right-to-know	Ethyl alcohol is listed.
Massachusetts right-to-know	Ethyl alcohol is listed.
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

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Hazard ratings

NFPA 704



HMIS

Health	2
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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