

Diamond (Rev 2-13-25)

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Diamond (Rev 2-13-25)
SDS Number: G550A
Product Code: G550
Revision Date: 2/13/2025
EPA Number: All Ingredients used are on the US EPA Safer Choice Ingredient List
Product Use: Heavy Duty Concentrated Detergent for use in Automatic Dishwashers

Supplier Details: Wechem, Inc.
 5734 Susitna Dr
 Harahan, LA 70123

Contact: Ligia M. Hernandez
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INFOTRAC
 1-800-535-5053

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HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 5 Oral
 Health, Skin corrosion/irritation, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H303 - May be harmful if swallowed
 H315 + H320 - Causes skin and eye irritation

GHS Precautionary Statements:

P102 - Keep out of reach of children.
 P264 - Wash thoroughly after handling.
 P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P302 + P352 - IF ON SKIN: Wash with plenty of water.
 P362 - Take off contaminated clothing and wash before reuse.
 P332 + P313 - If skin irritation occurs: Get medical advice/attention.
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P337 - If eye irritation persists: Get medical advice/attention.
 P402 + P404 - Store in a dry place. Store in a closed container.
 P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.
 P362 + P364 - Take off contaminated clothing and wash it before reuse.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Skin absorption, ingestion, inhalation, eye
Target Organs: NA
Inhalation: Inhalation of generated mist can cause nasal and respiratory irritation

Skin Contact: May cause irritation
Eye Contact: May cause irritation and burning
Ingestion: May be Harmful if swallowed.

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COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
N/A	2-8%	Multi Enzyme Concentrate
497-19-8	2-8%	Carbonic acid disodium salt
5324-84-5	2-8%	1-Octanesulfonic acid, sodium salt
164462-16-2	1-5%	Alanine, N,N-bis(carboxymethyl)-, trisodium salt
77-92-9	1-5%	Citric Acid

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FIRST AID MEASURES

Inhalation: Remove to fresh air. Get immediate medical advice/attention if respiratory irritation develops or if breathing becomes difficult. If not breathing, give artificial respiration.
Skin Contact: Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical advice/attention if irritation develops or persists.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical advice/attention if irritation develops or persists.
Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

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FIRE FIGHTING MEASURES

Flammability: Non Flammable
Flash Point: >200 F (Estimated)
 Extinguishing media: Foam, dry chemical, carbon dioxide, water.
 Special fire fighting procedures: Full fire-fighting turn out gear and respiratory protection(SCBA).

Unusual Fire & Explosion Hazards: None

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ACCIDENTAL RELEASE MEASURES

Use appropriate Personal Protective Equipment(PPE). Spill area may be slippery. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable waste container for disposal in accordance with local regulations. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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HANDLING AND STORAGE

Handling Precautions: Handle all open containers with care. Handle in accordance with good Industrial Hygiene and safety practice. Use in well ventilated areas. Keep out of reach of children.

Laundry contaminated clothing before reuse. Wash hands before eating, drinking or smoking.

Storage Requirements: Keep out of reach of children. Keep container tightly closed and in a well-ventilated place. Store in a cool, dry area away from incompatibles.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment: Respiratory Protection: None required under normal use conditions.
 Protective gloves: Chemical resistant, rubber
 Eye protection: Safety glasses/ goggles

Hygienic work practices: Do not eat, smoke, or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Carbonic acid disodium salt cas#:(497-19-8) [2-8%] : No data.

1-Octanesulfonic acid, sodium salt cas#:(5324-84-5) [2-8%] : No data.

Citric Acid cas#:(77-92-9) [1-5%] : No data.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Clear, Colorless	Odor:	Mild
Physical State:	Liquid	Solubility:	Complete
Spec Grav./Density:	(H2O=1): 1.06 +/- 0.1	Flash Point:	>200 F (Estimated)
Viscosity:	400-600 cPs @ 25 C	VOC:	0%
Boiling Point:	> 212 Deg. F. (Estimated)		
pH:	9 +/- 1		

10	STABILITY AND REACTIVITY
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Chemical Stability:	Stable and non-reactive under normal conditions of use, storage and transport.
Conditions to Avoid:	Excessive heat or freezing.
Materials to Avoid:	Strong oxidizers, acids
Hazardous Decomposition:	None known.
Hazardous Polymerization:	Will not occur.

11	TOXICOLOGICAL INFORMATION
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All Ingredients used are on the US EPA Safer Choice Ingredient List.

Data for the components of this material is summarized as follows:

Carbonic acid disodium salt cas#:(497-19-8) [2-8%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 4,090 mg/kg

LC50 Inhalation - rat - 2 h - 5,750 mg/l

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: VZ4050000

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting

1-Octanesulfonic acid, sodium salt cas#:(5324-84-5) [2-8%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: Not available

Citric Acid cas#:(77-92-9) [1-5%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 5,400 mg/kg (OECD Test Guideline 401)

Inhalation: no data available

LD50 Dermal - rat - > 2,000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: Irritating to eyes. (OECD Test Guideline 405)

Respiratory or skin sensitisation: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: GE7350000

Vomiting, Diarrhoea, Damage to tooth enamel., Dermatitis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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ECOLOGICAL INFORMATION

All Ingredients used are on the US EPA Safer Choice Ingredient List.

Carbonic acid disodium salt cas#:(497-19-8) [2-8%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - *Lepomis macrochirus* (Bluegill) - 300 mg/l - 96 h.

Toxicity to daphnia and EC50 - *Daphnia magna* (Water flea) - 265 mg/l - 48 h.
other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

1-Octanesulfonic acid, sodium salt cas#:(5324-84-5) [2-8%]

Information on ecological effects

Toxicity:

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 3,200 mg/l - 24 h.
and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Citric Acid cas#:(77-92-9) [1-5%]

Information on ecological effects

Toxicity:

Toxicity to fish mortality LC50 - Leuciscus idus melanotus - 440 mg/l - 48 h.
(OECD Test Guideline 203)

Toxicity to daphnia and static test - Daphnia magna (Water flea) - 1,535 mg/l - 24 h.
other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13	DISPOSAL CONSIDERATIONS
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This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

14	TRANSPORT INFORMATION
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Proper Shipping Name: Non-Hazardous, Not Regulated

15	REGULATORY INFORMATION
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[%] RQ (CAS#) Substance - Reg Codes

[2-8%] Carbonic acid disodium salt (497-19-8) TSCA

[2-8%] 1-Octanesulfonic acid, sodium salt (5324-84-5) TSCA

[1-5%] Alanine, N,N-bis(carboxymethyl)-, trisodium salt (164462-16-2) TSCA

[1-5%] Citric Acid (77-92-9) TSCA

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

16	OTHER INFORMATION
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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.
N/A = Not available N/D = Not determined

Revision Date: 2/13/2025