



Clax® System-1 Detergent Highly Concentrated Laundry Detergent

Revision: 2023-04-14

Version: 01.0

1. IDENTIFICATION

Product name: Clax® System-1 Detergent
Highly Concentrated Laundry Detergent

SDS #: MS0802266

Recommended use:

- Industrial/Institutional
- Laundry Detergent
- This product is intended to be used neat.

Uses advised against: Uses other than those identified are not recommended

Manufacturer, importer, supplier:

US Headquarters Diversey, Inc. 1300 Altura Rd., Suite 125 Fort Mill, SC 29708 Phone: 1-888-352-2249 SDS Internet Address: https://sds.diversey.com	Canadian Headquarters Diversey Canada, Inc. 6150 Kennedy Road Unit 3 Mississauga, Ontario L5T 2J4 Phone: 1-800-668-7171
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Emergency telephone number: 1-800-851-7145; 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product

Acute oral toxicity	Category 4
Acute inhalation toxicity - dust and mist	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

**Signal word:****Danger.**

Hazard Statements

HARMFUL IF SWALLOWED OR IF INHALED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE.

Precautionary Statements

Keep container tightly closed. Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Do not eat, drink or smoke when using this product. Use only in a well-ventilated area. Wear protective gloves and eye or face protection. IF SWALLOWED: Rinse mouth. Immediately call a Poison Center (1-800-851-7145) or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Take off contaminated clothing and wash it before reuse. Dispose of in accordance with all federal, state and local applicable regulations.

Health hazards not otherwise classified (HHNOC) - Not applicable**Physical hazards not otherwise classified (PHNOC)** - Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

Ingredient(s)	CAS #	Weight %
Alcohols, C12-14-secondary, ethoxylated (9 EO)	84133-50-6	80 - 100%
2-butoxyethanol	111-76-2	1 - 5%

4. FIRST AID MEASURES

Undiluted Product:

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

Skin: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion: IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

Most Important Symptoms/Effects: No information available.

Immediate medical attention and special treatment needed Not applicable.

5. FIRE-FIGHTING MEASURES

Specific methods:

No special methods required

Suitable extinguishing media:

The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Specific hazards:

Corrosive material (See sections 8 and 10).

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Put on appropriate personal protective equipment (see Section 8.).

Environmental precautions and clean-up methods:

Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: FOR COMMERCIAL AND INDUSTRIAL USE ONLY. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage: Keep tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Ingredient(s)	ACGIH	OSHA
2-butoxyethanol	20 ppm (TWA)	Skin 50 ppm (TWA) 240 mg/m ³ (TWA)

Undiluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

It is the responsibility of the employer to determine the potential risk of exposure to hazardous chemicals for employees in the workplace in order to

determine the necessity, selection, and use of personal protective equipment.

Eye protection:	Chemical-splash goggles.
Hand protection:	Chemical-resistant gloves.
Skin and body protection:	No personal protective equipment required under normal use conditions.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Color: Clear , Blue
Evaporation Rate: No information available	Odor: Citrus
Odor threshold: No information available.	Boiling point/range: Not determined
Melting point/freezing point (°C): Not determined	Decomposition temperature: Not determined
Autoignition temperature: No information available	Solubility: Completely Soluble
Solubility in other solvents: No information available	Relative Density (relative to water): 1.00
Density: 1.003 Kg/L	Vapor density: No information available
Bulk density: No information available	Vapor pressure: No information available.
Flash point (°F): > 200.12 °F > 93.4 °C	Partition coefficient (n-octanol/water): No information available
Viscosity: No information available	Elemental Phosphorus: 0.00 % by wt.
VOC: 5.3 % *	pH: Not applicable
Flammability (Solid or Gas): Not applicable	Corrosion to metals: Not corrosive to metals
Sustained combustion: Not applicable	
Explosion limits: - upper: Not determined - lower: Not determined	

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Reactivity:	Not Applicable
Stability:	The product is stable
Possibility of hazardous reactions:	None known
Hazardous decomposition products:	None reasonably foreseeable.
Materials to avoid:	Do not mix with any other product or chemical unless specified in the use directions.
Conditions to avoid:	None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Skin contact, Inhalation, Ingestion, Eye contact

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact: Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort.

Eye contact: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

Ingestion: Harmful if swallowed. Symptoms may include vomiting, nausea, and/or feeling of general unwellness.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing. Harmful if inhaled.

Sensitization: No known effects.

Target Organs (SE): None known

Target Organs (RE): None known

Carcinogen Listings: D-limonene is flagged as an IARC 2B because it could be included as part of the generic hydrocarbon group. However, the IARC monograph specifically states that d-limonene has no carcinogenic effects. Therefore, it is not considered a carcinogen.

Numerical measures of toxicity

ATE - Oral (mg/kg): 500

ATE - Dermal (mg/kg): >2000

ATE - Inhalatory, gases (mg/l): >20000
 ATE - Inhalatory, mists (mg/l): 2
 ATE - Inhalatory, vapors (mg/l): >20

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products (undiluted product): This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

RCRA Hazard Class (undiluted product): Not Regulated
Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: This product is not regulated for transport.

DOT (Ground) Bill of Lading Description: NOT REGULATED

IMDG (Ocean) Bill of Lading Description: NOT REGULATED

15. REGULATORY INFORMATION

International Inventories at CAS# Level

TSCA All components are listed or otherwise exempt
 DSL All components are listed or otherwise exempt

US RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Alcohols, C12-14-secondary, ethoxylated (9 EO)	84133-50-6	-	-	-	-
2-butoxyethanol	111-76-2	X	X	X	-
Water	7732-18-5	-	-	-	-
Polyethylene glycol	25322-68-3	-	-	-	-
d-Limonene	5989-27-5	-	X	-	-
Dye CI 61585	4474-24-2	-	-	-	-
Citral	5392-40-5	-	-	-	-
Myrcene	123-35-3	-	-	-	-

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPD (lbs)	Section 313
2-butoxyethanol	111-76-2	1 - 5%			X

Clean Air Act/Clean Water Act

Canadian Regulations

16. OTHER INFORMATION

NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 3

Flammability 0

Instability 0

Special Hazards -

Revision: 2023-04-14

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Reason for revision:

Not applicable

Prepared by:

North American Regulatory Affairs

Additional advice:

• Contains an added fragrance, see "Odor" heading in section 9 for specific description

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