

SAFETY DATA SHEET

CLEARIT DESCALER Dishwashers and Washing machines

Version: 17

Review date: 29/07/21

RE EC/2016-918 - CLP 1272/2008

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1. 1. Preparation name: CLEARIT DESCALER Dishwashers and Washing machines
1. 1. 1. Formula: 191100 - UFI : 5XF0-N0P4-N008-8VU5
1. 1. 2. Product code nr: 31S0006
1. 2. Details of the supplier of the safety data sheet:
1. 3. Person to contact (name, division, address, phone):
1. 4. Emergency telephone number: UK - National Poisons Information Service Phone: 44 / 191 22 5131
1. 5. Relevant identified uses of the substance or mixture and uses advised against: Dishwasher and washing machine descaling remover
Uses advised against:
This product should not be used in applications other than those recommended in Section 1

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture: * Skin Corr. 1B / GHS05 - H314 *

2. 2. Label elements:



Danger

2. 2. 1. Symbol(s) and signal word: Contains phosphoric acid in solution.
2. 2. 2. Hazard statement: H314 Causes severe skin burns and eye damage.
2. 2. 3. Prevention: P260 Do not breathe dust vapours.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
2. 2. 4. Response: P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P363 Wash contaminated clothing before reuse.
P304 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 or doctor.
2. 2. 5. Storage: P405 Store locked up.
2. 2. 6. Disposal: P501 Dispose of contents and container in accordance with local and national regulation
2. 3. Further information(s): P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
2. 4. Other hazards: The solution in water is a strong acid, it reacts violently with bases and is corrosive.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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3. 1. Component(s) contributing to the hazard:

- phosphoric acid , orthophosphoric acid
 - CAS nr: .7664-38-2
 - REACH registration number : 01-2119485924-24
 - Conc. (weight %) :Conc. (% pds) : % 5 < C < 10
 - GHS (Globally Harmonized System)
 - * GHS05 * Corr. mét. 1 - H290
 - * GHS07 * Tox. aiguë 4 - H302
 - * GHS05 * Corr. cut. 1B - H314

- sulphamidic acid; sulphamic acid; sulfamic acid
 - Id nr: 016-026-00-0 - CE nr: 226-218-8 - CAS nr: 5329-14-6
 - REACH registration number : 01-2119488633-28
 - Conc. (weight %) :Conc. (% pds) : % 1 < C < 5
 - GHS (Globally Harmonized System)
 - * GHS07 * Irr. cut. 2 - H315 * Irr. oc. 2 - H319
 - * Tox. aq. chron. 3 - H412

- Acide citrique monohydraté
 - CE nr: 201-069-1 - CAS nr: 5949-29-1
 - REACH registration number : 01-2119457026-42
 - Conc. (weight %) :Conc. (% pds) : % 1 < C < 5
 - GHS (Globally Harmonized System)
 - * GHS07 * Irr. oc. 2 - H319 * Irr. oc. 2A

The wording of the sentences are mentioned at heading 16.

4. FIRST AID MEASURES

4. 1. Description of first aid measures:

- 4. 1. 1. General advice: For symptom description, see item 11.
In case of doubt or persistent symptoms, consult always a physician.
- 4. 1. 2. Inhalation: Take victim to fresh air, in a quiet place, in an half laying position and if necessary take medical advice.
- 4. 1. 3. Skin contact: Take off immediately all contaminated clothing.
Wash off immediately and plentifully with water for at least 20 minutes.
If skin irritation persists, take medical advice.
- 4. 1. 4. Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 4. 1. 5. Ingestion: If swallowed, seek medical advice immediately and show this container or label.
- 4. 2. Most important symptoms and effects, both acute and delayed:
 - 4. 2. 1. Inhalation: Not determined.
 - 4. 2. 2. Skin contact: Causes severe burns.
 - 4. 2. 3. Eyes contact: Causes serious eye damage.
 - 4. 2. 4. Ingestion: severe damage to the delicate tissue and danger of perforation
- 4. 3. Indication of any immediate medical attention and special treatment needed : Notes to physician

5. FIREFIGHTING MEASURES

- 5. 1. Extinguishing media: The product itself does not burn.
In case of fire in the surroundings: all extinguishing agents allowed.: foam, powder, carbon dioxide (CO2), water spray
- 5. 2. Special hazards arising from the substance or mixture: In case of fire and/or explosion do not breathe fumes.
- 5. 3. Advice for firefighters: Use a self-contained breathing apparatus and also a protective suit.
- 5. 4. Extinguishing media which must NOT be used for safety reasons: None.

6. ACCIDENTAL RELEASE MEASURES

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|--|---|
| 6. 1. Personal precautions, protective equipment and emergency procedures: | Avoid contact with skin, eyes, or clothing. |
| 6. 2. Environmental precautions: | Prevent liquid from entering sewers, watercourses, underground or low areas. |
| 6. 3. Methods and material for containment and cleaning up: | Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel).
Shovel into suitable and closed container for disposal.
After cleaning, flush traces away with water. |
| 6. 4. Reference to other sections: | Concerning personal protective equipment to use, see item 8.
Concerning disposal elimination after cleaning, see item 13. |

7. HANDLING AND STORAGE

7. 1. Handling:

- | | |
|---|--|
| 7. 1. 1. Precautions for safe handling: | Not for non-authorised person.
Avoid contact with skin and eyes.
Wear personal protective equipment (see item 8). |
| 7. 1. 2. Technical condition(s): | Never mix with other materials. |
| 7. 1. 3. Safe handling advice(s): | Open container carefully to avoid spurting.
Keep out of reach of children.
Read label before use.
Do not handle until all safety precautions have been read and understood.
Keep container closed when not in use. |

7. 2. Storage:

- | | |
|--|---|
| 7. 2. 1. Conditions for safe storage, including any incompatibilities: | Store always product in container of same material as original container.
Keep out of the reach of children. |
| 7. 2. 2. Storage condition(s): | Store, if possible, in a cool, well ventilated place away from incompatible materials.
Keep out of frost |
| 7. 2. 3. Separation of incompatible product(s): | SODIUM HYPOCHLORITE |
| 7. 2. 4. Packaging / tank material: | made of the same material as the supply container. |
| 7. 2. 5. Unsuitable packaging materials: | Avoid non protected metal containers. |
| 7. 3. Specific end use(s): | General public use |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8. 1. Control parameters:

8. 1. 1. Exposure limit(s):

* Component: phosphoric acid CAS-No. 7664-38-2
France. Occupational Exposure Limit Value (OELP), Average Exposure Value (TWA): 0.2 ppm, 1 mg / m³
France. Occupational Exposure Limit Value (TLV), Short Term Exposure Limit Value (TLV): 0.5 ppm, 2 mg / m³

▪ Derived No Effect Dose (DNEL) / Derived Minimal Effect Dose (DMEL)

* Component: phosphoric acid CAS-No. 7664-38-2

DDSE (Derived No Effect Dose):

Workers, Acute local effects, Inhalation: 2 mg / m³

Workers, Long-term local effects, Inhalation: 1 mg / m³

Workers, Long-term systemic effects, Inhalation: 10.7 mg / m³

Consumers, Long-term local effects, Inhalation: 0.36 mg / m³

Consumers, Long-term systemic effects, Inhalation: 4.57 mg / m³

Consumers, Long-term systemic effects, Skin contact: 0.1 mg / kg bw / day

* Component: sulfonamide CAS-No.5329-14-6

DNEL:

Workers, Long-term systemic effects, Inhalation: 70.5 mg / m³

Workers, Long-term systemic effects, Skin contact: 10 mg / kg bw / day

General population, Long-term systemic effects, Inhalation: 17.4 mg / m³

General population, Long-term systemic effects, Skin contact: 5 mg / kg bw / day

General population, Long-term systemic effects, Ingestion: 5 mg / kg bw / day

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* Component: Citric acid monohydrate CAS 5949-29-1
No DNEL value was derived.

▪ Predicted No Effect Concentration (PNEC)

* Component: phosphoric acid CAS-No. 7664-38-2
No PNEC value was calculated.

* Component: sulfonamide CAS-No.5329-14-6
Fresh water: 0.048 mg / l
Sea water: 0.0048 mg / l
STP: 2 mg / l
Fresh water sediment: 0.173 mg / kg dry weight (p.s.)
Soil: 0.00638 mg / kg dry weight (d.w.)
Intermittent releases: 0.48 mg / l

* Component: Citric acid monohydrate CAS 5949-29-1
Fresh water: 0.44 mg / l
Sea water: 0.044 mg / l
Fresh water sediment: 3.46 mg / kg dry weight (p.s.)
Marine sediment: 34.6 mg / kg dry weight (p.s.)
STP:> 1000 mg / l
Soil: 33.1 mg / kg dry weight (p.s.)

8. 2. Exposure controls:

8. 2. 2. Eye protection: full protection safety glasses
8. 2. 3. Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
8. 2. 4. Hand protection: Protective gloves conforming to EN 374 : Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions in which the product is used, such as the risk of cuts, abrasion and contact time. Protective gloves must be replaced as soon as the first signs of wear appear.
8. 2. 5. Skin and body protection: Acid resistant protective clothing.
8. 3. Environmental exposure controls: Do not throw the pure product into the environment
8. 4. Hygiene measure(s): Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with the skin and the eyes.
Remove and wash contaminated clothing before re-use.
Do not eat, drink, or smoke during work.
Before removing gloves clean them with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

9. 1. Information on basic physical and chemical properties:

9. 1. 1. Physical state: liquid
9. 1. 2. Colour: blue
9. 1. 3. Odour: characteristic
9. 1. 4. Melting point / freezing point: Not determined
9. 1. 5. Boiling point or initial boiling point and boiling range: Not determined.
9. 1. 6. Flammability: Not applicable
9. 1. 7. Lower and upper explosion limit: Not applicable.
9. 1. 8. Flash point: Not applicable
9. 1. 9. Auto-ignition temperature: Not applicable
9. 1. 10. Decomposition temperature: Data not available
9. 1. 11. PH: 0,9 at 20°C
9. 1. 12. Solubility: Soluble
9. 1. 13. Water solubility: completely soluble
9. 1. 14. Fat solubility: not concerned

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9. 1. 15. Solvent solubility:	not concerned.
9. 1. 16. Partition coefficient n-octanol/water (log value):	Data not available
9. 1. 17. Vapour pressure:	Data not available
9. 1. 18. Relative vapour density:	not applicable
9. 1. 19. Density and/or relative density:	1,1 +/- 0,02 at 20°C
9. 1. 20. Particle characteristics:	Not applicable
9. 1. 21. Kinematic viscosity:	Not determined.
9. 2. Other information:	VOC : 0%

10. STABILITY AND REACTIVITY

10. 1. Reactivity:	Stable in use and storage conditions as recommended in item 7.
10. 2. Chemical stability:	The preparation is stable under the handling and storage conditions recommended in section 7 of the SDS..
10. 3. Possibility of hazardous reactions:	Never mix with other products.
10. 4. Conditions to avoid:	NO contact with hot surfaces.
10. 5. Incompatible materials:	Never mix with bleach or sodium hypochlorite.
10. 6. Hazardous decomposition products:	Burning produces irritating gases.

11. TOXICOLOGICAL INFORMATION

11. 1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

11. 1. 1. General information(s):	No available information on preparation. Information on components (Suppliers SDS) entering the mixture.
11. 1. 2. Inhalation:	* Component: phosphoric acid CAS 7664-38-2 LC50/inhalation/2h/rat = 850 mg/l
11. 1. 3. Skin contact:	* Component: phosphoric acid CAS-No. 7664-38-2 LD50: 2740 mg / kg (Rabbit) Result: corrosive effects (Rabbit) (OECD Test Guideline 404) * Component: sulfonamide CAS-No.5329-14-6 LD50:> 2000 mg / kg (Rat) (OECD Test Guideline 402) Result: Irritating to skin. (Rabbit) (OECD Test Guideline 404) * Component: Citric acid monohydrate CAS-No. 5949-29-1 LD50:> 2000 mg / kg (Rat) (OECD Test Guideline 402) Result: No skin irritation (Rabbit) (OECD Test Guideline 404)
11. 1. 4. Eyes contact:	* Component: phosphoric acid CAS-No. 7664-38-2 Result: corrosive effects (Rabbit) * Component: sulfonamide CAS-No.5329-14-6 Result: Causes serious eye damage. (Rabbit) (OECD Test Guideline 405) * Component: Citric acid monohydrate CAS-No. 5949-29-1 Result: Causes serious eye irritation. (OECD Test Guideline 405)
11. 1. 5. Ingestion:	* Component: phosphoric acid CAS-No. 7664-38-2 Oral LD50: 2600 mg / kg (Rat, female) (OECD Test Guideline 423) * Component: sulfonamide CAS-No.5329-14-6 LD50: 3160 mg / kg (Rat) * Component: Citric acid monohydrate CAS-No. 5949-29-1 LD50: 5400 mg / kg (Mouse) (OECD Test Guideline 401)

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11. 1. 6. Sensitisation: * Component: sulfonamide CAS-No.5329-14-6
Did not cause sensitization on laboratory animals.
- * Component: Citric acid monohydrate CAS-No. 5949-29-1
non-sensitizing
- * Component: phosphoric acid CAS-No. 7664-38-2
Data not available
11. 1. 7. Chronic toxicity: No data available on the mixture
11. 1. 8. Toxicity of repeated or No data available on the mixture
prolonged exposure:
11. 2. Information on other hazards: No other known dangers

12. ECOLOGICAL INFORMATION

12. 1. Toxicity: Ecological problems are not known or expected under normal use.
12. 2. Persistence and degradability: The surfactant(s) contained in this preparation complies(comply) with the biodegradability
criteria as laid down in Regulation (EC) No.648/2004
12. 3. Bioaccumulative potential: not determined.
12. 4. Mobility in soil: not determined..
12. 5. Results of PBT and vPvB
assessment: not determined.
12. 6. Endocrine disrupting properties: Not determined
12. 7. Other adverse effects: Data not available

13. DISPOSAL CONSIDERATIONS

13. 1. Waste treatment methods: Collect all waste in suitable and labelled containers and dispose according to local legislation.
13. 2. Contaminated packaging: Wastes, including emptied containers, are controlled wastes and should be disposed of in
accordance with regulations made under the Control of Pollution Act and the Environmental
Protection Act.
13. 3. Local / national disposal
regulation(s):

14. TRANSPORT INFORMATION

14. 1. General information(s): Transport followed ADR, IMDG, IATA
14. 2. UN number or ID number: 1760
14. 2. 1. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (contains phosphoric acid, solution)
14. 3. Land (Road / Railway: ADR/RID):
14. 3. 1. Transport hazard class(es): 8
14. 3. 2. Packing group: II
14. 3. 3. ADR/RID-Labels: 8
14. 3. 4. Code danger: 80
14. 3. 5. Classification code: C9 274
14. 3. 6. Packing instructions: P001 IBC02
14. 3. 7. Tunnel restriction code: E
14. 4. Sea (IMDG):
14. 4. 1. Class: 8
14. 4. 2. Packaging group: II
14. 4. 3. Marine pollutant: No
14. 4. 4. EmS number: F-A, S-B

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14. 4. 5. IMDG-Label(s):	8
14. 4. 6. Packing instructions:	P001
14. 5. Air (ICAO/IATA):	
14. 5. 1. ICAO/IATA class:	8
14. 5. 2. Packing group:	II
14. 5. 3. ICAO/IATA-Labels:	8
14. 5. 4. Important remarks:	Passager and cargo aircraft
14. 6. Environmental hazards:	not concerned
14. 7. Special precautions for user:	Refer to sections 7 and 8.
14. 8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not concerned
14. 9. Maritime transport in bulk according to IMO instruments:	Not concerned

15. REGULATORY INFORMATION

15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture:	This safety data sheet complies with regulation CE / 2016-918 - CLP 1272/2008 Composition according to EC regulation 648/2004: Nonionic surfactants: less than 5%
15. 2. Chemical safety assessment:	No data on the preparation itself is available.

16. OTHER INFORMATION

16. 1. According legislation(s):	meaning of abbreviations used in the safety data sheet: CAS: Chemical Abstracts Service CLP: Classification, Labeling and Packaging of chemicals LC50: median lethal concentration DNEL: derived dose with no effect GHS: Globally Harmonized System for the Classification and Labeling of Chemicals OECD: Organization for Economic Co-operation and Development PNEC: predicted no-effect concentration
16. 2. Text of the phrases listed in section 3:	H315 Causes skin irritation. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects. H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.
16. 3. Important remarks:	Information in this safety data sheet is based on actual knowledge in our possession and our experience. It is user's liabilities to take all necessary measures to meet local required laws and regulations. It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users.
16. 4. Restrictions:	This information relates to the specific material designated and may not be valid in combination with other product(s).
16. 5. References and / or bibliography:	Information from our supplier (s) and data from the database of registered substances of the European Chemicals Agency (ECHA) have been used to create this safety data sheet.
16. 6. History:	
16. 6. 1. First edition date:	10/09/96
16. 6. 2. Previous revision date:	02/10/19
16. 6. 3. Review date:	29/07/21
16. 6. 4. Version:	17
16. 6. 5. Review chapter(s) n°:	1-9-16

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16. 7. Written by: