SAFETY DATA SHEET

Extra Antibacterial

UNICARE (CHEMICALS) LTD

1 Identification

Product Identifier:
Extra Antibacterial

Other means of identification:
Not applicable.

Recommended use of the chemical and restriction on use:
Dishes washing liquid

Supplier's details:
Unicare (Chemicals) Ltd,
Aradhippou Industrial Area 7101,
Larnaca, Cyprus, P.O Box 54088
Tel.: +357 24531766
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Email: team@unicaregroup.com

Emergency phone number
1401

2 Hazard(s) identification

Classification of the substance or mixture
According to regulation (EC) No 1272/2008 [CLP]
Long-term aquatic hazard: Hazard Category 3

GHS Label Element: None
Signal Word: None

Hazard Statements:

Harmful to aquatic life with long lasting effects.

Precautionary Statement

Avoid release to the environment.
Collect spillage.
Dispose of contents/container to accordance with European / local regulations.

Other hazards which do not result in classification

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

Mixture

Description	- CAS Number - EINECS Number - Reach registration number	Concentration (% w/w)	Note / Classification
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO) (sodium lauryl ether sulfate)	- 68891-38-3 - 500-234-8 - 01-2119488639-16	3.2 – 4.5	Skin Irrit. 2, H315; Eye Dam. 1, H318, Aquatic Chronic 3, H412 Specific concentration limit: Eye Irrit. 2A: 5 - 10 % Eye Dam. 1: > 10 %
5-chloro-2-(4-chlorophenoxy)phenol	- 3380-30-1 - 429-290-0 - N/A	0.3 – 0.5	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Eye Dam. 1 H318

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

4 First-aid measures

Description of first aid measures

Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air.

On skin contact:
Wash thoroughly with plenty of water.

On contact with eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:
Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5 Fire-fighting measures

Extinguishing media

Flash Point & Method
None
Suitable Extinguishing Media
Pulverized water, foam & carbon dioxide

Specific hazards arising from the chemical

Carbon monoxide, carbon dioxide, phosphorus oxides, hydrogen fluoride, formaldehyde, as well as other toxic vapours and gases which are common to thermal degradation (in case of fire) of organic compounds.

Special protective actions for fire-fighters
Wear self-contained breathing apparatus and full protective gear.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
No special precaution required.

Environmental precautions
Do not allow to enter surface or ground water.

Methods and materials for containment and cleaning up
For residues: Pick up with suitable absorbent material.
Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.
Dispose of absorbed material in accordance with regulations.
For large amounts: Dike spillage. Pump off product.

7 Handling and storage

Precautions for safe handling
No special measures necessary provided product is used correctly.

Protection against fire and explosion
No special precautions necessary.

Conditions for safe storage, including any incompatibilities
Further information on storage conditions: Keep container tightly closed and in a cool place.

Storage stability:
Storage temperature: 10 - 40 °C
The packed product is not damaged by low temperatures or by frost. Bulk must be protected from solidification.
Protect from temperatures above: 70 °C

Specific end use(s)
For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8 Exposure controls/personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Components with PNEC

68891-38-3: Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)
freshwater: 0.24 mg/l
marine water: 0.024 mg/l
intermittent release: 0.071 mg/l
sewage treatment plant: 10000 mg/l
sediment (freshwater): 0.9168 mg/kg
sediment (marine water): 0.09168 mg/kg

soil: 7.5 mg/kg
oral (secondary poisoning): No PNEC value available.

Components with DNEL

68891-38-3: Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)
worker: Long-term exposure-systemic effects, Inhalation: 175 mg/m3
worker: Long-term exposure-systemic effects, dermal: 2750 mg/kg
consumer: Long-term exposure-systemic effects, Inhalation: 52 mg/m^3
consumer: Long-term exposure-systemic effects, dermal: 1650 mg/kg
consumer: Long-term exposure-systemic effects, oral: 15 mg/kg

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protective equipment
Respiratory protection:
Respiratory protection in case of vapour/aerosol release. (Particle filter EN 143 P2 or FFP2)

Hand protection:
Chemical resistant protective gloves. (EN 374)
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):
e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other.
Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.
Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:
Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

Body protection:
Not necessary.

General safety and hygiene measures
Wearing of closed work clothing is required additionally to the stated personal protection equipment. No eating, drinking, smoking or tobacco use at the place of work.
Handle in accordance with good industrial hygiene and safety practice.

9 Physical and chemical properties

Physical and chemical properties

General Information

- **Appearance:**
  Form: Liquid (viscous)
  Colour: Blue clear
- **Odour:** Lemon
- **Odour threshold:** Not determined
- **pH-value:** 6.0 – 7.0
- **Specific gravity:** 1.02 – 1.04
- **Change in condition**
  Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

- **Flash point:** Not determined
- **Flammability (solid, gaseous):** Not applicable
- **Ignition temperature:** Not applicable
- **Decomposition temperature:** Not determined
- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  Lower: Not determined.
  Upper: Not determined.
- **Vapour pressure at 20 °C:** Not determined
- **Density at 20 °C:** Not determined
- **Relative density:** Not determined
- **Relative density:** Not determined
- **Vapour density:** Not determined
- **Solubility in / Miscibility with water:** Miscible
- **Partition coefficient (*n*-octanol/water):** Not determined
- **Viscosity:**
  Dynamic: 700 – 1200 cps
  Kinematic: Not determined

10 Stability and reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability
No specific test data related to reactivity available for this product or its ingredients.
The product does not contain peroxides (or any other explosive chemicals).

Possibility of hazardous reactions
No hazardous reactions when stored and handled according to instructions.

Conditions to avoid
See SDS Section 7 - Handling and storage.

Incompatible materials
Substances to avoid:
Strong acids, strong bases, halogens, reactive chemicals

Hazardous decomposition products
No hazardous decomposition products if stored and handled as prescribed/indicated.

11 Toxicological information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Toxicological (health) effects

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: No aspiration hazard expected.

Symptoms related to the physical, chemical and toxicological characteristics: Not available data.

Numerical measures of toxicity (such as acute toxicity estimates): Not available data.

Toxicological Data: Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)

Acute oral toxicity:	LD50 Rat: > 2.000 - 5.000 mg/kg; OECD Test Guideline 401 (literature value) Not classified.
Acute inhalation toxicity:	The study is not necessary. Sufficient data are available from alternative routes of exposure.
Acute dermal toxicity:	LD50 Rat: > 2.000 mg/kg; OECD Test Guideline 402 (literature value). Not classified.
Skin corrosion / irritation Skin irritation:	Rabbit: irritating; OECD Test Guideline 404 Causes skin irritation.
Serious eye damage/eye irritation Eye irritation:	Rabbit: highly irritating; OECD Test Guideline 405 (literature value) Test substance: Alcohols, C12-14 , ethoxylated, sulfated, sodium salts, ≥ 10% Causes serious eye damage. Alcohols, C12-14 , ethoxylated, sulfated, sodium salts, ≥ 5% - < 10% Causes serious eye irritation Test substance: Alcohols, C12-14 , ethoxylated, sulfated, sodium salts, < 5% Not classified.
Respiratory or skin Sensitisation:	Maximisation Test (GPMT) Guinea pig: not sensitizing; OECD Test Guideline 406. Not classified.
Germ cell mutagenicity: Genotoxicity in vitro:	In vitro tests did not show mutagenic effects own test results/literature values
Genotoxicity in vivo:	In vivo tests did not show mutagenic effects (literature value). Not classified.
Carcinogenicity:	The substance has been shown to be not genotoxic, therefore it is not expected to have a carcinogenic potential. Not classified.
Reproductive toxicity:	Two-generation reproductive toxicity: Rat; drinking water NOAEL ((parents)): > 300 mg/kg (based on body weight and day) NOAEL (F1): > 300 mg/kg (based on body weight and day); OECD Test Guideline 416 (literature value)
Teratogenicity:	Not classified.

	Rat; Oral NOAEL: > 1.000 mg/kg (based on body weight and day) NOAEL (pregnant female): > 1.000 mg/kg (based on body weight and day); OECD Test Guideline 414 (literature value). Not classified.
STOT - single exposure:	The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT - repeated exposure:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Repeated dose toxicity	Rat; Oral; 90-day NOAEL: > 225 mg/kg (based on body weight and day); OECD Test Guideline 408 Target Organs: Liver Symptoms: Gastrointestinal disturbance, Liver disorders (literature value)
Aspiration hazard:	Not applicable.
Toxicological information:	Toxicokinetics, metabolism and distribution Components of the product may be absorbed into the body by ingestion. The substance is poorly absorbed via skin.

Ecological information

Toxicity:

Eco toxicity
No relevant information available.

Persistence and Degradability
No relevant information available.

Bioaccumulation
No relevant information available.

Mobility in soil
No relevant information available.

Other Adverse Effects
Harmful to aquatic life with long lasting effects.

Ecological Data on:* Alcohols, C12-14, ethoxylated, sulfates, sodium salts *(CAS:* 68891-38-3*)

Toxicity to fish:
LC50: 1 - 10 mg/l, Brachydanio rerio (zebrafish)

Aquatic invertebrates:

EC50 > 1 - 10 mg/l, Daphnia magna (OECD Guideline 202, part 1)

Aquatic plants:

EC50 > 10 - 100 mg/l, Scenedesmus subspicatus (OECD Guideline 201)

Microorganisms / Effect on activated sludge:

EC0 > 10.000 mg/l, Pseudomonas putida (DIN 38412 Part 27 (draft))

Chronic toxicity to fish:

NOEC (28 d) Oncorhynchus mykiss (rainbow trout): 0,14 mg/l; mortality; (flow-through test; OECD Test Guideline 204)

Chronic toxicity to aquatic invertebrates:
0,27 mg/l; Daphnia magna reproduction rate; flow-through test; (OECD Test Guideline 211, literature value)

13 Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible.
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

14 Transport information

UN Number: ADR/RID, IMDG, IATA: Not applicable.
UN Proper Shipping Name: ADR/RID, IMDG, IATA: Not applicable.
Transport hazard class(es): Not dangerous.
Packing group, if applicable: Not applicable.
Environmental hazards: Not applicable.
Special precaution for user: Not necessary.
Transport in bulk according to Annex II of Marpol 73/78 and the IBCcode: Not applicable.

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I:** None of the ingredients is listed.

Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

16 Other information

Other Information
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
IMDG: International Maritime Code for Dangerous Goods
PBT: Persistent, Bioaccumulative and Toxic
PNEC: Predicted No-Effect Concentration
VOC: Volatile Organic Compounds (USA, EU)

vPvB: very Persistent and very Bioaccumulative

H315: Causes skin irritation.
H318: Causes serious eye damage.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Skin Irrit. 2: Skin corrosion / irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage / eye irritation; Hazard Category 1
Eye Irrit. 2A: Serious eye damage / eye irritation, Hazard Category 2
Aquatic Acute 1: Acute aquatic hazard: Hazard Category 1
Aquatic Chronic 1: Long-term aquatic hazardous, Hazard Category 1
Aquatic Chronic 3: Long-term aquatic hazardous, Hazard Category 3