

Safety Data Sheet

SECTION 1. Identification of the substance or mixture and of the company / undertaking

- 1.1. 1.1. Product identifier
Code: MAR002
Name: MARINE ANTICALC TABS for laundry
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Description / Use Antilimescale/Antikalk tablets for laundry machines
- 1.3. Details of the supplier of the safety data sheet
Company UT EUROPE SRL
Address Via Scarsellini 119
District and Country 16149 Genova GE
Italy
tel.
+39/0106467352
fax
+39/0104694678
e-mail address of the competent person
responsible for the safety data sheet:
info@uteurope.it
- 1.4. Emergency telephone number
For urgent inquiries refer to:
IT - Niguarda Hospital Milano, Poison Control Center 0039/0266101029
EE - Poisoning Information Centre 16662; when abroad: (+372) 794 3794
LV - Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs +371 67042473
LT - Aplinkos Apsaugos Agentūra +370 5 2662808

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments). The product therefore requires a safety data sheet in compliance with the provisions of Regulation (EU) 2015/830. Any additional information regarding risks to health and / or the environment are reported in the sec. 11 and 12 of this sheet.

Regulation 1272/2008 (CLP) and subsequent amendments.

Classification and hazard statements:
Eye Irrit. 2 H319

2.2. Label's elements.

Danger labeling under Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

Hazard pictograms:



WARNING



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Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P101 If medical advice is needed, have the product container or label

P102 Keep out of reach of children.

P280 Protect your eyes and face.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue to rinse.

P337 + P313 if eye irritation persists: get medical advice/attention .

P264 Wash hands thoroughly after handling

2.3. Other hazards.

Based on the available data, the product does not contain PBT or vPvB substances in percentages greater than 0.1%.

SECTION 3. Composition / information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

contains:

The full text of hazard (H) phrases is given in section 16

Identification.

CITRIC ACID MONOHYDRATE

CAS. 5949-29-1

$19 \leq x < 29$

Classification.

Eye Irrit. 2 H319

CE. 201-069-1

INDEX. -

Nr. Reg. 02-2119457026-42

ADIPIC ACID

CAS. 124-04-9

$5 \leq x < 7$

Eye Irrit. 2 H319

CE. 204-673-3

INDEX. 607-144-00-9

SODIUM CARBONATE

CAS. 497-19-8

$5 \leq x < 10$

Eye Irrit. 2 H319

CE. 207-838-8

INDEX. 011-005-00-2

Nr. Reg. 01-2119485498-19

The full text of the hazard statements (H) is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids well. Consult a doctor if the problem persists.

SKIN: Remove contaminated clothing from behind. Wash immediately and abundantly with water. If irritation persists, consult a doctor. Wash the contaminated garments before reusing them.



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INHALATION: Bring the subject to the open air. If breathing is difficult, call a doctor immediately.

INGESTION: Consult a doctor immediately. Induce vomiting only as directed by your doctor. Do not give anything by mouth if the subject is unconscious and if not authorized by the doctor.

4.2. Most important symptoms and effects, both acute and delayed

No specific information is known about the symptoms and effects caused by the product.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Fire fighting

SUITABLE EXTINGUISHING MEANS

The means of extinction are the traditional ones: carbon dioxide, foam, dust and nebulized water.

UNSUITABLE EXTINGUISHING MEDIA

No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products.

5.3. Recommendations for firefighters

GENERAL INFORMATIONS

Cool the containers with jets of water to avoid the decomposition of the product and the development of substances potentially dangerous for health. Always wear full fire protection equipment. Collect the extinguishing waters that must not be discharged into the drains. Dispose of contaminated water used for extinction and fire residue according to current regulations.

EQUIPMENT

Normal fire fighting clothing, such as open circuit compressed air breathing apparatus (EN 137), flame retardant (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

SECTION 6. Measures in case of accidental release

6.1. Personal precautions, protective equipment and procedures in case of emergency

Avoid the formation of dust by spraying the product with water if there are no contraindications.

Wear appropriate protective equipment (including personal protective equipment referred to in Section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for workers to work and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water or groundwater.

6.3. Methods and materials for containment and remediation

Collect the leaked product and place it in containers for recovery or disposal. Eliminate the residue with jets of water if there are no contraindications. Provide sufficient ventilation of the place affected by the leak. Evaluate the compatibility of the container to be used with the product, checking section 10. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for Safe Handling



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Manipulate the product after having consulted all the other sections of this safety data sheet. Avoid dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before accessing the areas where you eat.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container. Store closed containers in a well-ventilated area away from direct sunlight. Keep containers away from incompatible materials, checking section 10.

7.3. Specific end uses

Information not available

SECTION 8. Exposure controls / personal protection**8.1. Control parameters****SODIUM CARBONATE**

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers Effects on workers

Exposure Path Acute Local Systemic Acute Local Chronic Systemic Chronic Local Acute Systemic Acute Local Chronic Systemic Chronic

Inhalation 10 mg / m³ VND 10 mg / m³ VND

VND = identified hazard but no DNEL / PNEC available; NEA = no expected exposure; NPI = no identified danger.

8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local aspiration.

For the selection of personal protective equipment, if necessary ask your chemical suppliers for advice.

The individual protection devices must bear the CE marking which certifies their compliance with the regulations in force.

Provide emergency shower with visocular basin.

HAND PROTECTION

If prolonged contact with the product is foreseen, it is advisable to protect the hands with penetration resistant work gloves (see standard EN 374).

For the final choice of the work glove material, the process of using the product and any other products deriving from it must also be evaluated. It is also recalled that latex gloves can give rise to sensitization phenomena.

SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use of category I (see Directive 89/686 / EEC and EN ISO 20344). Wash with soap and water after removing protective clothing.

PROTECTION OF EYES

It is advisable to wear tightly fitting goggles (see standard EN 166).

RESPIRATORY PROTECTION

Not necessary, unless otherwise indicated in the assessment of chemical risk.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation equipment, should be monitored for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Solid State

White

characteristic odor

Olfactory threshold Not available

pH 5.5 -6.5

Melting or freezing point 0 ° C

Initial boiling point Not available

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Boiling range Not available
Flash point Not available
Evaporation rate Not available
Flammability of solids and gases Not available
Lower flammability limit Not available
Upper flammability limit Not available
Lower explosive limit Not available
Upper explosive limit Not available
Vapor pressure Not available
Vapor density Not available
Relative density 1.0 - 1.1
Solubility soluble in water
Partition coefficient: n-octanol / water: Not available
Auto-ignition temperature Not available
Decomposition temperature Not available
Viscosity Not available
Explosive properties Not available
Oxidising properties Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

POLYETHYLENE

It degrades slowly at high temperature in the presence of air.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of dangerous reactions

Unusual reactions are not expected under normal use and storage conditions.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions with regard to chemicals.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental toxicological data on the product itself, the possible dangers of the product for health have been evaluated on the basis of the properties of the substances contained, according to the criteria provided for by the reference standard for classification.

Consider therefore the concentration of the individual hazardous substances mentioned in section 3, to evaluate the toxicological effects deriving from exposure to the product.

11.1. Information on toxicological effects

Metabolism, kinetics, mechanism of action and other information



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Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed, and chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

Not classified (no relevant component)

LD50 (Oral) of the mixture:

Not classified (no relevant component)

LD50 (Cutaneous) of the mixture:

Not classified (no relevant component)

ADIPIC ACID

LD50 (Oral) 5560 mg / kg rat

LD50 (Cutaneous)> 7940 mg / kg rabbit

CITRIC ACID MONOHYDRATE

LD50 (Oral) 5400 mg / kg mouse

LD50 (Cutaneous)> 2000 mg / kg

SODIUM CARBONATE

LD50 (Oral) 4090 mg / kg Rat

LD50 (Cutaneous) 117 mg / kg Mouse

LC50 (Inhalation) 2.3 mg / l / 2h Rat

SKIN CORROSION / CUTANEOUS IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS OCULAR DAMAGE / EYE IRRITATION

Causes serious eye irritation

RESPIRATORY OR CUTANEOUS SENSITIZATION

Does not meet the classification criteria for this hazard class

MUTAGENICITY ON GERMINAL CELLS

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

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Does not meet the classification criteria for this hazard class

TOXICITY FOR REPRODUCTION

Does not meet the classification criteria for this hazard class

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

DANGER IN CASE OF ASPIRATION

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached watercourses or has contaminated the soil or vegetation.

12.1. Toxicity

Information not available

12.2. Persistence and degradability**SODIUM CARBONATE**

Solubility in water 1000 - 10000 mg / l

Degradability: data not available

The surfactants contained in this formulation comply with the biodegradability criteria established by Regulation (EC) no. 648/2004 relating to detergents.

Surfactant information

Persistence / Biodegradation

Test method: OECD 301

Evaluation: easily biodegradable

Soluble in water.

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in the soil

Information not available

12.5. Results of the PBT and vPvB assessment

Based on the available data, the product does not contain PBT or vPvB substances in percentages greater than 0.1%.

PBT substances: none

vPvB substances: none.

12.6. Other adverse effects

nobody.

SECTION 13. Disposal considerations

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13.1. Waste treatment methods

Reuse, if possible. Product residues are to be considered hazardous special waste. The hazardousness of the waste that partially contains this product must be evaluated according to the laws in force.

Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in accordance with national waste management regulations.

Recover if possible.

For the disposal of the uncleaned / reclaimed product or containers addressed to companies expressly authorized to manage waste (recovery or disposal of hazardous waste).

Cleaned / reclaimed containers must be disposed of / recovered as special waste.

Never unload the product in surface or underground water.

Where applicable, refer to the following regulations: 91/156 / EEC, 91/689 / EEC, 94/62 / EC and subsequent adaptation.

SECTION 14. Transport information

The product is not considered dangerous according to the provisions in force concerning the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN number

Not applicable

14.2. UN shipping name

Not applicable

14.3. Danger classes related to transport

Not applicable

14.4. Packing group

Not applicable

14.5. Dangers for the environment

Not applicable

14.6. Special precautions for users

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code



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Information not applicable

SECTION 15. Regulatory information

15.1. Legislative and regulatory provisions on health, safety and environment specific to the substance or mixture

Seveso category - Directive 2012/18 / EC: None

Restrictions related to the product or to the substances contained according to Annex XVII Regulation (EC) 1907/2006

None

Substances in Candidate List (Article 59 REACH)

Based on the available data, the product does not contain SVHC substances in percentages greater than 0.1%.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (CE) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Workers exposed to this chemical agent dangerous to health must be subjected to health surveillance carried out according to the provisions of art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk for the safety and health of the worker has been assessed as irrelevant, according to the provisions of art. 224 paragraph 2.

15.2. Evaluation of chemical safety

No chemical safety assessment has been made for the mixture and the substances it contains.

SECTION 16. Other information

Text of the hazard (H) indications mentioned in section 2-3 of the sheet:

Eye Irrit. 2 Eye irritation, category 2
H319 Causes serious eye irritation.

LEGEND:

- ADR: European Agreement for the transport of dangerous goods by road
- CAS NUMBER: Chemical Abstract Service number
- EC50: Concentration that gives effect to 50% of the population subjected to tests
- CE NUMBER: ID number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived level without effect
- EmS: Emergency Schedule
- GHS: Global harmonized system for the classification and labeling of chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subjected to tests
- IMDG: International Maritime Code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP



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- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predictable concentration without effects
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during any moment of work exposure.
- TWA STEL: Short-term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulant according to REACH
- WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (CE) 1907/2006 of the European Parliament (REACH)
 2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
 3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
 6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
 7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
 8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
 9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
 10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
 11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA Agency Website
 - Database of SDS models of chemicals - Ministry of Health and Istituto Superiore di Sanità

Note to the user:

The information contained in this sheet is based on the knowledge available from us at the date of the last version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force concerning hygiene and safety under his own responsibility. We do not take responsibility for improper use.

Provide adequate training for personnel involved in the use of chemical products.

Changes from the previous revision

Changes have been made to the following sections:

01/03/09/10.