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1. Identification of the substance / preparation and of the company / undertaking

1.1 Product identifier:

Commercial name: **TAB 5 in 1 Lavastoviglie 16 Tabs AMACASA
SCRIC TAB 5 in 1 Lavastoviglie 120 Tabs**

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Fields of use: Detergent in tablets for dishwashers
Consumer uses [SU21], Professional uses [SU22]
Uses advised against: Do not use for uses other than those indicated

1.3 Information on the supplier of the safety data sheet Identification of the company:

Distributor: NEW FADOR S.r.l.
Via M. Calderara 31 - 25018 Montichiari (BS)
Tel. +39 030 961243 - Fax +39 030 962500
www.newfador.it - info@newfador.it

1.4 Emergency telephone number:

Tel. + 39 030 961243 (from 8.30 am to 5.30 pm - Monday / Friday)
Point 16 of this sheet indicates the addresses of the Italian Anti-Poison Centers active 24 hours a day.

2. Hazards identification

2.1 Substance or mixture classification:

Classification according to Regulation (EC) No. 1272/2008:

Pictograms:
GHS07

Class and hazard class codes:
Eye Irrit. 2

Hazard indication codes:
H319 - Causes serious eye irritation.

2.2 Elements of the label:

Labelling in accordance with regulation (EC) no. 1272/2008:

Pictograms, warning codes:
GHS07 - Warning

Hazard indication codes:
H319 - Causes serious eye irritation.

Codes of additional hazard statements:
Not applicable.

Precautionary statements:

General

P101 - In case of consultation with a doctor, keep the container or label of the product available.
P102 - Keep out of reach of children.

Prevention

P280 - Wear protective gloves / protective clothing / eye protection / face protection.

Reaction

P305 + P351 + P338 - IN CASE OF CONTACT WITH EYES: Rinse thoroughly for several minutes. Remove any lenses a contact if it is easy to do it. Continue to rinse.
P337 + P313 - If eye irritation persists, consult a doctor.


Contains (EC Regulation 648/2004): 15% <30% Phosphates, 5% <15% Oxygen-based bleaching agents, <5% Non-ionic surfactants, Polycarboxylates, phosphonates, Enzymes (Amilase, Protease), Perfumes.

2.3 Other hazards:

No information on other hazards.

The substance / mixture does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, Annex XIII



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3. Composition / information on ingredients

3.1 Substances:

Not relevant.

3.2 Mixtures:

Refer to item 16 for the complete text of the hazard statements.

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Sodium Carbonate	> 10 <= 30%	Eye Irrit. 2 H319	011-005-00-2	497-19-8	207-838-8	01-2119485498-19
DISODIUM CARBONATE, COMPOSED WITH HYDROGEN PEROXIDE (2:3)	> 10 <= 25%	Ox. Sol. 3 H272, Acute Tox. 4 H302, Eye Dam. 1 H318	-	15630-89-4	239-707-6	01-2119457268-30
ALCOL A LUNGA CATENA, ALCOSSILATO	> 1 <= 5%	Eye Irrit. 2 H319 Skin Irrit. 2 H315	-	166736-08-9	-	-
SODIUM SILICATE	> 1 <= 5%	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335	-	1344-09-8	215-687-4	01-2119448725-31
SUBTILISIN	> 0 <= 0,1%	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411	-	9014-01-1	232-752-2	01-2119480434-38

4. First aid interventions



4.1 Description of first aid measures:

In case of eye contact (of the pure product):

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.

In contact with the skin (of the pure product):

Take off contaminated clothes. Wash immediately and abundantly with water. If irritation persists, consult a doctor.

Wash the contaminated garments before reusing them.

In case of 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.

In case of inhalation:

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

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.

For symptoms and effects due to the contained substances, see chap. 11.

4.3 Indication of any need to immediately consult a doctor and special treatments:

Information not available.

5. Fire-fighting measures



5.1 Firefighting:


Recommended extinguishing means:

Water spray, CO2, foam, chemical powders depending on the materials involved in the fire.

Extinguishing media to be avoided:

Water jets. Use water jets only to cool the surfaces of containers exposed to fire.

5.2 Special hazards arising from the substance or mixture:

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Dangers due to exposure in case of fire:
Avoid breathing combustion products.

5.3 Recommendations for firefighters:

Use respiratory protection.
Safety helmet and complete protective clothing.
Water spray can be used to protect people involved in extinction.
It is also advisable to use self-contained breathing apparatus, above all, if you work in closed and poorly ventilated areas and in any case if halogenated extinguishing agents are used (fluobrene, solkane 123, naf etc.).
Cool the containers with jets of water.

6. Measures in case of accidental release

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

For those who do not intervene directly:
Move away from the area surrounding the spill or release. Not smoking.
Wear mask, gloves and protective clothing.
For those who intervene directly:
Wear mask, gloves and protective clothing.
Eliminate all open flames and possible sources of ignition. Not smoking.
Set up adequate ventilation.
Evacuate the danger area and, if necessary, consult an expert.

6.2 Environmental precautions:

For containment:
Collect the product for re-use, if possible, or for disposal. If necessary, absorb it with inert material.
Prevent it from entering the drainage system.
For the cleaning:
After collection, wash the affected area and materials with water.
Other information:
None in particular.

6.4 Reference to other sections:

Refer to steps 8 and 13 for more information.

7. Handling and storage

7.1 Precautions for safe handling:

At work do not eat or drink.
Wear protective gloves / protective clothing / eye protection / face protection.
See also the next paragraph 8.

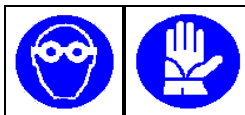
7.2 Conditions for safe storage, including any incompatibilities:

Keep in the original container tightly closed. Do not store in open or unlabeled containers.
Keep the containers in a vertical and safe position avoiding the possibility of falls or bumps.
Store in a cool place, away from any heat source and direct exposure to sunlight.

7.3 Specific end use:


Consumer uses:
Store in cool and dry places.
Professional uses:
Handle with caution.
Store in a ventilated place away from heat sources.
Keep the container tightly closed.

8. Exposure control / individual protection



8.1 Control parameters:

No data available on the mixture as such.

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Related to the substances contained:

Normative requirements:

EU OEL EU Directive 2009/161/UE; Directive 2006/15/CE; Directive 2004/37/CE; Directive 2000/39/CE.

SODIUM CARBONATE

Health - Derived no-effect level - DNEL / DMEL

Route of Exposure	Effects on consumers.			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.	10 mg/m3	VND					10 mg/m3	VND

DISODIUM CARBONATE, COMPOSED WITH HYDROGEN PEROXIDE (2: 3)

Expected concentration of no effect on the environment - PNEC.

Reference value in fresh water	0,035	mg/l
Reference value in sea water	0,035	mg/l
Reference value for STP microorganisms	16,24	mg/l

Health - Derived no-effect level - DNEL / DMEL

Route of Exposure	Effects on consumers.			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation.							5 mg/m3	VND
Dermic.	6,4 mg	VND	6,4 mg/m2	VND	12,8 mg/cm2	VND	12,8 mg/cm2	VND

SILICATO DI SODIO

Health - Derived no-effect level - DNEL / DMEL

Route of Exposure	Effects on consumers.			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.			VND	0,8 mg/Kg				
Inhalation.			VND	1,38 mg/m3			VND	5,61 mg/m3
Dermic.			VND	0,8 mg/Kg			VND	1,59 mg/Kg

SUBTILISIN

Threshold limit value.

Type	State	TWA/8h	ppm	STEL/15min	ppm
OEL	EU	0,00004		30	

Legend:

(C) = CEILING ; INALAB = Inalable fraction ; RESPIR = Breathable fraction; TORAC = Thoracic fraction. VND = identified hazard but no DNEL / PNEC available; NEA = no expected exposure; NPI = no identified danger

8.2 Exposure Controls

Suitable technical checks:

Consumer uses:

- Open with caution. Always close the bottle well and immediately.
- Adopt the relevant individual protection measures.

Professional uses:

- Open with caution. Always close the bottle well and immediately.
- Adopt the relevant individual protection measures.


Individual protection measures:

- a) Eye / face protection
 - When handling the pure product, use safety goggles (cage eyeglasses) (EN 166).
- b) Skin protection
 - i) Hand protection
 - When handling the pure product, use chemical-resistant protective gloves (EN 374-1 / EN374-2 / EN374-3)
 - ii) Other
 - When handling the pure product, wear protective clothing (EN 14605).
- c) Respiratory protection
 - Not necessary for normal use.
- d) Thermal hazards
 - No danger to report

Environmental exposure controls:

Use according to good working practices, avoiding to disperse the product in the environment.

9. Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	white with coloured spots
Smell	characteristic
pH.	10,5
Melting or freezing point	ND (non disponibile).
Initial boiling point.	ND (non disponibile).
Boiling range.	ND (non disponibile).
Flash point.	ND (non disponibile).
Evaporation rate	ND (non disponibile).
Flammability of solids and gases	ND (non disponibile).
Lower flammability limit.	ND (non disponibile).
Upper flammability limit.	ND (not available).
Lower explosive limit.	ND (not available).
Upper explosive limit.	ND (not available).
Steam pressure.	ND (not available).
Vapour density.	ND (not available).
Specific weight.	1,000 Kg / l
Solubility	soluble in water
Self-ignition temperature.	ND (not available).
Decomposition temperature	ND (not available).
Viscosity	ND (not available).
Explosive properties	ND (not available).
Oxidizing properties	ND (not available).

9.2 Other information

No data available.

10. Stability and reactivity

10.1 Reactivity:

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

10.2 Chemical stability:

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

10.3 Possibility of dangerous reactions:

There are no dangerous reactions.

10.4 Conditions to avoid:

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

10.5 Incompatible materials:

Information not available.

10.6 Hazardous decomposition products:

Information not available.

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:


ACUTE TOXICITY.

LC50 (Inhalation - vapours) of the mixture: Not classified (no relevant component).

LC50 (Inhalation - mists / powders) of the mixture: Not classified (no relevant component).

LD50 (Oral) of the mixture: 4136,000 mg / kg

LD50 (Cutaneous) of the mixture: Not classified (no relevant component).

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DISODIUM CARBONATE, COMPOSED WITH HYDROGEN PEROXIDE (2: 3)

LD50 (Oral) .1034 mg / kg
 LC50 (Inhalation) .1200 mg / m3

LONG ALCOHOL, ALCOHOLSYLATED ALCOHOL

LD50 (Oral).> 2000 mg / kg rat

SODIUM SILICATE

LD50 (Oral).> 3400 mg / kg Rat
 LD50 (Cutaneous).> 5000 mg / kg Rat
 LC50 (Inhalation).> 2.06 mg / kg Rat

subtilisin

LD50 (Oral) .1800 mg / kg
 LD50 (Cutaneous) .2
 LC50 (Inhalation) .0.8

SODIUM CARBONATE

LD50 (Oral) .4090 mg / kg Rat
 LD50 (Cutaneous) .117 mg / kg Mouse
 LC50 (Inhalation) .2,3 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.

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.

12. Ecological information

12.1 Toxicity:

On the product as such, no environmental impact tests have been carried out in case of accidental release into the environment.

Related to the substances contained:

DISODIUM CARBONATE, COMPOSED WITH HYDROGEN PEROXIDE (2: 3)

LC50 - Fish -> 70 mg / l / 96h

LONG ALCOHOL, ALCOHOLSYLATED ALCOHOL

LC50 - Fish - 100 mg / l / 96h

EC50 - Crustaceans - 100 mg / l / 48h

EC50 - Algae / Aquatic Plants - 100 mg / l / 72h

SODIUM SILICATE

LC50 - Fish - 1108 mg / l / 96h

subtilisin

NOEC Chronic Algae / Aquatic Plants - 0.041 mg / l

Use according to good working practices, avoiding to disperse the product in the environment.


12.2 Persistence and degradability:

Related to the substances contained:

SODIUM CARBONATE.

Solubility in water - 1000 - 10000 mg / l

Biodegradability: Data not available.

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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:

No data available.

12.4 Mobility in the soil:

No data available.

12.5 Results of the PBT and vPvB assessment:

The substance / mixture does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, Annex XIII

12.6 Other adverse effects:

No adverse effects found.

Regulation (EC) n. 2006/907 - 2004/648

The (l) surfactant (s) contained (i) in this formulation is (are) compliant with (i) the biodegradability criteria established by Regulation EC / 648/2004 on detergents. All supporting data shall be kept at the disposal of the competent authorities of the Member States and will be provided, on their explicit request or at the request of a manufacturer of the formulation, to the aforementioned authorities.

13. Disposal considerations

13.1 Waste treatment methods:

Do not reuse empty containers. Dispose of them in compliance with current regulations. Any residual product must be disposed of according to current regulations by contacting authorized companies.
 Recover if possible. Operate according to current local or national regulations.

14. Transport information



14.1 UN Number:

Not included in the field of application of regulations on the transport of dangerous goods: by road (ADR); on rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2 UN shipping name:

None.

14.3 Danger classes related to transport:

None.

14.4 Packing group:

None.

14.5 Dangers for the environment:

None.


14.6 Special precautions for users:

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

It is not expected to transport bulk cargoes.

15. Regulatory information

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15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

Seveso category. 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). None.

Substances subject to authorization (Annex XIV REACH). None.

Substances subject to export notification obligation Reg. (EC) 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.

Reg. 648/2004 / EC (detergents), D.Lgs. 3/2/1997 n. 52 (Classification, packaging and labeling of dangerous substances), D.Lgs 14/3/2003 n. 65 (Classification, packaging and labeling of dangerous preparations), D.Lgs. 2/2/2002 n. 25 (Risks deriving from chemical agents at work), D. M. Job 02/26/2004 (Occupational Exposure Limits); D. M. 03/04/2007 (Implementation of Directive No. 2006/8 / EC), Regulation (EC) n. 1907/2006 (REACH), Regulation (CE) n. 1272/2008 (CLP), Regulation (EC) n.790 / 2009.D.Lgs. September 21st 2005 n. 238 (Seveso Ter Directive).

15.2 Evaluation of chemical safety:

The supplier has not carried out a chemical safety assessment.

16. Other information

Changes have been made to the following sections:

02 / 03 / 08 / 10 / 11 / 12

H272	May cause or intensify fire; oxidizer
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long-lasting effects.
H412	Harmful to aquatic life with long-lasting effects.
H413	May cause long-lasting harmful effects to aquatic life.

Classification based on data from all components of the mixture

Main regulatory references:

Directive 1999/45 / EC

Directive 2001/60 / EC

Regulation 2008/1272 / EC

Regulation 2010/453 / EC

In case of need, we would like to point out the list of ANTIVELINE CENTERS accredited by the Ministry of Health:

Responsible	Hospital	Town	Address	CAP	Telephone
Marco Marano	CAV "Osp. Pediatrico Bambino Gesù"	Roma	Piazza Sant'Onofrio, 4	00165	06 68593726
Anna Lepore	Az. Osp. Univ. Foggia	Foggia	V.le Luigi Pinto, 1	71122	0881-732326
Gennaro Savoia	Az. Osp. "A. Cardarelli"	Napoli	Via A. Cardarelli, 9	80131	081-7472870
M. Caterina Grassi	CAV Policlinico "Umberto I"	Roma	V.le del Policlinico, 155	00161	06-49978000
Alessandro Barelli	CAV Policlinico "A. Gemelli"	Roma	Largo Agostino Gemelli, 8	00168	06-3054343
Primo Botti	Az. Osp. "Careggi" U.O. Tossicologia Medica	Firenze	Largo Brambilla, 3	50134	055-7947819
Carlo Locatelli	CAV Centro Nazionale di Informazione Tossicologica	Pavia	Via Salvatore Maugeri, 10	27100	0382-24444
Franca Davanzo	Osp. Niguarda Ca' Granda	Milano	Piazza Ospedale Maggiore, 3	20162	02-66101029
M. Luisa Farina	Azienda Ospedaliera Papa Giovanni XXII	Bergamo	Piazza OMS, 1	24127	800883300

This sheet cancels and replaces each previous edition.