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

1.1 Product identifier:

Trade name: **Detergente ACETO+ Milleusi DEXAL**

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

Sector of use: Detergent for washable surfaces and floor
 Private households (= general public = consumers)[SU21],
 Public domain (administration, education, entertainment, services, craftsmen)[SU22]
 Uses advised against: Do not use for purposes other than those listed

1.3 Details of the supplier of the safety data sheet:

Supplier: S.I.C. Società italiana chimica S.r.l.
 Via Aldo Moro 5 – 25043 Breno (BS) – Italy

Produced by: NEW FADOR S.r.l.
 Via M. Calderara 31 - 25018 Montichiari (BS) - Italy
 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 to 17.30 – Monday / Friday)
 At paragraph 16 of this tab indicates the contact details of poison control centers in Italy active 24 hours on 24.

2. Hazard identification

2.1 Classification of the substance or mixture:

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

Pictograms:
 GHS07

Hazard Class and Category Code(s):
 Eye Irrit. 2

Hazard statement Code(s):
 H319 - Causes serious eye irritation.

If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):
 GHS07 - Warning

Hazard statement Code(s):
 H319 - Causes serious eye irritation.

Supplemental Hazard statement Code(s):
 Not applicable

Precautionary statements:

General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

Response


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

P337+P313 - If eye irritation persists: Get medical advice/attention.

Contains (Reg. EC 648/2004): < 5% Cationic surfactants, non-ionic surfactants, disinfectants, perfumes, Linalool

2.3 Other hazards:



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The substance / mixture does NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards.

3. Composition / information on ingredients

3.1 Substances:

Irrelevant.

3.2 Mixtures:

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Acetic acid	> 1 <= 5%	Flam. Liq. 3, H226; Skin Corr. 1A, H314	607-002-00-6	64-19-7	200-580-7	01-2119475328-30
ethanol	> 1 <= 5%	Flam. Liq. 2, H225; Eye Irrit. 2, H319	603-002-00-5	64-17-5	200-578-6	01-2119457610-43
Alcohols, C11-13 branched, ethoxylated (>2,5 moles EO)	> 1 <= 5%	Acute Tox. 4, H302; Eye Dam. 1, H318	N.A.	68439-54-3	931-985-3	N.A.
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	> 0,1 <= 1%	Met. Corr. 1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	-	68424-85-1	270-325-2	-

4. First aid measure



4.1 Description on first aid measure:

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area.

If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine.

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

If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

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

If eye irritation persists: Get medical advice/attention.

If medical advice is needed, have product container or label at hand.

5. Fire-fighting measure



5.1 Extinguishing media:


Advised extinguishing agents:

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

Extinguishing means to avoid:

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

5.2 Special hazards arising from the substance or mixture:

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No data available.

5.3 Advice for fire-fighters:

Use protection for the breathing apparatus
Safety helmet and full protective suit.
The spray water can be used to protect the people involved in the extinction
You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)
Keep containers cool with water spray.

6. Measures in case of accidental release

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:
Leave the area surrounding the spill or release. No smoking.
Wear gloves and protective clothing.
For emergency responders:
Wear gloves and protective clothing.
Eliminate all unguarded flames and possible sources of ignition. No smoking.
Provision of sufficient ventilation.
Evacuate the danger area and, in case, consult an expert.

6.2 Environmental precautions:

Contain spill with earth or sand.
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.
Discharge the remains in compliance with the regulations).

6.3 Methods and materials for containment and cleaning up:

To contain:
Rapidly recover the product, wear a mask and protective clothing.
Recover the product for re-use if possible, or for elimination. Appropriate, be absorbed by inert material.
Prevent entry into sewers.
For cleaning:
After wiping, wash with water the area and materials involved.
Other information:
None in particular.

6.4 Reference to other sections:

Refer to paragraphs 8 and 13 for further information.

7. Handling and storage

7.1 Precaution for safe handling:

Avoid contact and inhalation of vapors
At work do not eat or drink.
Wear protective gloves/protective clothing/eye protection/face protection.
See also paragraph 8 below.


7.2 Conditions for safe storage, including any incompatibilities:

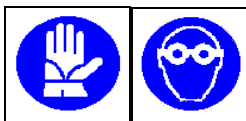
Keep in original container tightly closed. Do not store in open or unlabeled containers.
Keep the containers in upright position and secure avoiding the possibility of falls or collisions.
Store in a cool place, away from any source of heat and direct exposure of sunlight.

7.3 Specific end uses:

Private households (= general public = consumers):
Store in cool and dry places.
Public domain (administration, education, entertainment, services, craftsmen):
Handle with care.
Store in ventilated place away from heat sources.
Keep the container tightly closed.

8. Exposure controls / personal protection

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8.1 Control parameters:

No data available on the mixture.

Related to contained substances:

Acetic acid:

TLV: TWA 10 ppm as STEL 15 ppm (ACGIH 2004).

MAK: 1lb (undefined, but available data) (DFG 2004).

DNEL, inhalation, long-term, local effects, workers: 25 mg/m³

DNEL, inhalation, short-term local effects, workers: 25 mg/m³

PNEC: freshwater 3,058 mg/l

PNEC: seawater 0.3058 mg/l

PNEC water (intermittent release): 30.58 mg/l

PNEC: wastewater treatment facility 85 mg/l

PNEC (freshwater) sediment: 11.36 mg/kg dw sediment

PNEC sediments (sea water): 1,136 mg/kg dw sediment

PNEC soil: soil 0.47 mg/kg dw

ethanol:

ACGIH TLV-TWA/8:0 1000 mg/m³

DNEL

DNEL (OTH)

Inhalation (in short, local): 1900 mg/m³ (1000 ppm)

Inhalation (long-term, systemic): 950 mg/m³ (500 ppm)

Cutis (long-term, systemic): 343 mg/kgbw/day

PNEC

PNEC (OTH)

Fresh water: 096 mg/l

Sea water: 0.79 mg/l

Freshwater sediments: 3.6 mg/kgdw

Sea water sediments: 2.9 mg/kgdw

Soil: 0.63 mg/kgdw

oral: 0.72 g/kg food

Alcohols, C11-13 branched, ethoxylated (>2,5 moles EO):

No data available

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Preventively protect the skin with special ointments. Avoid contact with eyes and skin.

Wash hands during or at the end of work. Provide a skin protection guidelines. Respiratory protection: It 's not necessary.

HANDS Protective gloves against chemical agents by means of DIN EN 374 with CE marking.

Before use, check that the gloves are not damaged by cuts, holes or lacerations. Non wear protective gloves longer than necessary.

After use of gloves to use detergent and protective hand cream.

- Material of gloves Nitrile rubber

- Penetration time of the substance in the gloves:

Thickness: 0.4 mm; breakthrough time: 480 min .; material: nitrile; permeation: Level 6

- Not suitable are gloves made of the following materials:

The gloves for protection against mechanical risks must not be used for the manipulation of chemical products, as it does not offer adequate protection.

EYES Face protection with CE label. Use face protection with safety glasses. Have to be available in the workplace a device for rinsing eyes.

Integral apron. Protection for head, face and neck.

the risk management measures

Operators must be adequately educate. I workplaces must be regularly inspected by competent personnel es. Responsible security.

8.2 Exposure controls:

Appropriate engineering controls:

Private households (= general public = consumers):

- Open with caution. Close the container immediately after its use.

- Adopt the appropriate protective measures.

Public domain (administration, education, entertainment, services, craftsmen):


- Open with caution. Close the container immediately after its use.

- Adopt the appropriate protective measures.

Individual protection measures:

- (a) Eye / face protection

Not needed for normal use.

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- (b) Skin protection
(i) Hand protection
Not needed for normal use.
(ii) Other
Wear normal work clothing.
(c) Respiratory protection
Not needed for normal use.
(d) Thermal hazards
No hazard to report

Environmental exposure controls:
Related to contained substances:

Alcohols, C11-13 branched, ethoxylated (>2,5 moles EO):
Avoid subsoil penetration.
Don't download the wash flow in surface water or sanitary sewer systems.

9. Physical and chemical properties

9.1. Information on basic physical and chemical

Physical and chemical properties	Value	Method of determination
Appearance	Colorless liquid	
Odour	characteristic	
Odour threshold	not defined	
pH	pH: 2,50 - 3,50	
Melting point / freezing point	This property is not suitable for safety and product classification	
Initial boiling point and boiling range	Data not available	
Flash point	Data not available	ASTM D92
Evaporation rate	This property is not suitable for safety and product classification	
Flammability (solid, gas)	Data not available	
Upper / lower flammability or explosive limits	This property is not suitable for safety and product classification	
Vapour pressure	This property is not suitable for safety and product classification	
Vapour density	Data not available	
Relative density	Data not available	
Solubility	Soluble in water	
Water solubility	Miscible	
Partition coefficient: n-octanol/water	Data not available	
Auto-ignition temperature	This property is not suitable for safety and product classification	
Decomposition temperature	This property is not suitable for safety and product classification	
Viscosity	Data not available	
Explosive properties	Not classified as explosive, does not contain explosives according to reg. CLP Art. (14 (2))	
Oxidizing properties	The product is not an oxidizing substance	

9.2 Other information


No data available.

10. Stability and reactivity

10.1 Reactivity:

Related to contained substances:

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

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quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides:
Corrosive to metals.

10.2 Chemical stability:

No hazardous reaction when handled and stored according to provisions.

10.3 Possibility of hazardous reactions:

If in contact with bases may cause strong exothermic reactions.

10.4 Condition to avoid:

Avoid contact with basic substances.

10.5 Incompatible materials:

Basics.

10.6 Hazardous decomposition products:

Does not decompose when used for intended uses.

11. Toxicological information

11.1 Information on toxicological effects:

No toxicological tests have been performed on the mixture.

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation: based on available data, the classification criteria are not met.
- (c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure: based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

Acetic acid:

ROUTES of EXPOSURE: the substance can be absorbed into the body by inhalation of its fumes and ingestion.

INHALATION RISK: A harmful contamination of the air can be reached very quickly due to evaporation of the substance at 20 C.

Effects of short-term exposure: the substance and the steam is corrosive to the eyes, the skin and the respiratory tract. Corrosive if swallowed.

Vapor inhalation may cause pulmonary edema (see notes). The effects may be delayed. It's the medical observation.

Effects of REPEATED EXPOSURE or long-term repeated or prolonged Contact with skin may cause dermatitis. The substance may have an effect on the gastrointestinal tract, causing digestive disorders, with burning sensation and constipation.

ACUTE HAZARDS/symptoms INHALATION sore throat. Cough. Burning sensation. Headaches. Vertigo. Shortness of breath. Difficulty in breathing. Symptoms may be delayed (see notes).

SKIN Pain. Redness. Blisters. Skin burns.

EYE Redness. Pain. Severe deep burns. Loss of vision.

INGESTION abdominal pain. Burning sensation. Diarrhea. Shock or collapse. Sore throat. Vomiting.

N O T E symptoms of lung oedema often do not occur before a few hours and are aggravated by physical effort. Are therefore essential rest and medical observation. You must include the immediate administration of appropriate therapy by a doctor or staff from he/she authorized.

ethanol:

LD50 (Oral): 1501 mg/kg Rat

LC50 (Inhalation): 5.9 mg/l/6:0 Rat

LD50 (rat) Oral (mg/kg body weight) = 1501

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 20000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5,9

Alcohols, C11-13 branched, ethoxylated (>2,5 moles EO):

Acute oral toxic

LD50 (rat): > 300-2000 mg/kg; test values/values its bibliographic


Acute toxic dermal

LD50 (rat): > 2000 mg/kg; test values/values its bibliographic

Skin irritation

Rabbit: non-irritant; test values/bibliographic values its Corrosion/ocular damage

Rabbit: causes serious eye injuries; test values/values its bibliographic

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Awareness

About Guinea pig maximisation test India: not a sensitizer; test values/values its bibliographic

Mutagenicit

Non-mutagenic Ames: method; test values/values its bibliographic

Cancerogenicit

No information available

Toxic for reproduction

No data available

Single toxic

No data available

Repeated toxic

No data available

Danger in case of aspiration not applicable

LD50 (rat) Oral (mg/kg body weight) = 300

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

5000 mg/kg dermal ATE Mix <

LD50 (rat) Oral (mg/kg body weight) = 795

12. Ecological Information

12.1 Toxicity:

The product has not been tested for environmental impact in the event of accidental release in the environment.

Related to contained substances:

Acetic acid:

The substance is harmful to aquatic organisms.

Ecotoxicit: short-term effects

Crustacean 24 hour LC50 47 mg/l

Fish 96 hour LC50 88 mg/l

Ecotoxicit: long-term effects

Fish survival period = 4 days for 10 mg/l at pH 7.3.

ethanol:

Specification: NOEC.

Skeletonema costatum: parameter.

Value: 3.24 grams per litre.

Test period: 5 g.

Specification: NOEC.

Parameter: Daphnia magna.

Value: > 10 mg/l.

Test period: 21 g.

Specification: EC10.

Parameter: Algae.

chlorella vulgaris.

Value: 11.5 mg/l.

Specification: EC10.

Parameter: Selenastrum capricornutum

Value: 0.44 g/l.

Specification: EC50.

Parameter: Algae.

chlorella vulgaris.

Value: 275 mg/l.

Test period: 72 h.

Specification: EC50.

Parameter: Selenastrum capricornutum.

Value: 12.9 g/l.

Test period: 72 h.

Specification: LC50.

Parameter: Fish.

Salmo gairdneri.

Value: 13 g/l.

Test period: 96 h.


Specification: LC50.

Parameter: Fish.

Pimephales promelas.

Value: 13.5 g/l.

C(E)L50 (mg/l) = 0,44

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Alcohols, C11-13 branched, ethoxylated (>2,5 moles EO):

LC50 Cyprinus carpio: 1-10 > mg/l; 83d; OECD TG 203; test values/values its bibliographic

EC50 Daphnia Magna: 1 >-10 mg/l; 48 h; OECD TG 202; test values/values its bibliographic

Desmodesmus subspicatus, EC50 (green algae): > 1-10 mg/l; 72 h; OECD TG 201; test values/values its bibliographic

C(E)L50 (mg/l) = 1,1

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

EC50/48 h 0.016 mg/l (Daphnia magna)

EC50/72 h (Selenastrum capricornutum) 0.025 mg/l (OECD 201) S 470

LC50/96 h (static) 0.085 mg/l (rainbow trout) (OECD 203) S 469

Use according to good working practices to avoid pollution into the environment.

12.2 Persistence and degradability:

Related to contained substances:

Acetic acid:

Biodegrade anaerobically, aerobically, and both in ground water.

Carboxylic acids are generally resistant to hydrolysis in aqueous medium.

ethanol:

No data available

Alcohols, C11-13 branched, ethoxylated (>2,5 moles EO):

Rapidly biodegradable: >70%; 28 d; OECD TG 301 A (new version); > 1-10 mg/l; 83d; test values/values its bibliographic

Rapidly biodegradable: > 60%; 28 d; OECD TG 301 B; > 1-10 mg/l; 83d; test values/values its bibliographic

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

> 70% (activated sludge) (the component (s) (are) readily biodegradable (s).

The surfactant (s) contained in this formulation (are) subject (s) biodegradability criteria as laid down in Regulation (EEC) No 648/2004 on detergents. OECD 301 D) S 1272

12.3 Bioaccumulative potential:

Related to contained substances:

Acetic acid:

Has low potential for bioconcentration

ethanol:

There are no known significant phenomena of bioaccumulation.

Alcohols, C11-13 branched, ethoxylated (>2,5 moles EO):

No data available

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:

Does not accumulate in organisms

12.4 Mobility in soil:

Related to contained substances:

Acetic acid:

Mobility has ground between moderate and very high.

Can evaporate from the soil.

Do not evaporate from water and wet surfaces.

There is atmosphere in vapour.

ethanol:

Water solubility full vaporisable in the atmosphere.


Alcohols, C11-13 branched, ethoxylated (>2,5 moles EO):

No data available

12.5 Results of PBT and vPvB assessment:

The substance / mixture does NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6 Other adverse effects:

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No adverse effects are observed.

Regulation (EC) No. 2006/907 - 2004/648

The surfactant (s) contain (s) in this formulation comply (ies) with the criteria set out in Regulation (EC) biodegradability/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, at their explicit request or at the request of a manufacturer of the formulation, the above authority.

13. Disposal considerations

13.1 **Methods of waste treatment:**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.
Recover if possible. Operate according to local or national regulations.

14. Transport information



14.1 **UN number:**

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

14.2 **UN proper shipping name:**

None.

14.3 **Classes of transport hazard:**

None.

14.4 **Packing group:**

None.

14.5 **Environmental hazards:**

None.

14.6 **Special precautions for user:**

No data available.

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

It is not intended to carry bulk.

15. Regulatory information

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


Regulation 648/2004/EC (detergents), Legislative Decree no. 3/2/1997 no. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree 14.3.2003 n. 65 (Classification, packaging and labeling of dangerous substances). Leg. 02/02/2002 n. 25 (Risks related to chemical agents at work). D.M. Working 26/02/2004 (Occupational exposure limit); DM 04/03/2007 (Implementation of Directive no. 2006/8/EC). Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n.790/2009.D.Lgs. September 21, 2005 n. 238 (Seveso Ter).

15.2 **Chemical safety assessment:**

No chemical safety assessment was carried out by the supplier.

16. Other information

Points modified compared to previous release: 1.2. Relevant identified uses of the substance or mixture and uses advised against, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 3.2 Mixtures, 4.3. Indication of any immediate medical attention and special treatment needed, 7.1. Precautions for safe handling, 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 10.3. Possibility of hazardous reactions, 10.4. Conditions to avoid, 10.5. Incompatible materials, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.4. Mobility in soil, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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Description of the hazard statements exposed to point 3

H226 = Flammable liquid and vapour.
 H314 = Causes severe skin burns and eye damage.
 H225 = Highly flammable liquid and vapour.
 H319 = Causes serious eye irritation.
 H302 = Harmful if swallowed.
 H318 = Causes serious eye damage.
 H290 = May be corrosive to metals.
 H400 = Very toxic to aquatic life.
 H410 = Very toxic to aquatic life with long lasting effects.

Classification based on data of all mixture components

Main normative references:

Regulation 2008/1272/EC

Regulation 2015/830/EC

Link ECHA (source of information on chemical substances produced or imported in Europe)

<http://echa.europa.eu/it/information-on-chemicals;jsessionid=63968E9F85F91C26F330FF884618CFFF.live1>

MSDS provided by the customer and on the same raw material

In case of need, there are the telephone numbers are active 24 hours 24 some poison control centers:

Responsabile	Ospedale	Città	Indirizzo	CAP	Telefono
Marco Marano	CAV "Osp. Pediatrico Bambino Gesù"	Roma	Piazza Sant'Onofrio, 4	00165	06 68593726
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