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

1.1 Identification of the product:

Trade name: **PIATTI Limone AMACASA**
 Formats: 1500 ml – 5000 ml

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

User sectors: Detergent for washing dishes by hands
 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 Company identification:

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

1.4 Telephone number for emergency:

Phone. + 39 030 961243 (from 8.30 to 17.30 – Monday/Friday)
 In paragraph 16 of this data sheet are given 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.
 Classified according to ICE-PH-15/0338 report.

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

2.2 Label elements:

Labeling 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.

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

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% anionic surfactants, amphoteric surfactants, Glutaraldehyde, Benzisothiazolinone, Perfumes, Limonene.

2.3 Other hazards:

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The substance / mixture does NOT contain 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 section 16 for the full text of hazard statements.

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	> 1 <= 5%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 3, H412	N.A.	68411-30-3	270-115-0	01-2119489428-22
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	> 1 <= 5%	Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 3, H412	N.A.	68891-38-3	500-234-8	01-2119488639-16

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

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

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:

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:

Recommended extinguishing means:

Water, CO2, foam, chemical powders, according to the materials involved in the fire.


Extinguishing media to avoid:

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

5.2 Special hazards arising from the substance or mixture:

No data available.

5.3 Advice for fire-fighters:

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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 self-respirator, 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. Do not smoke.

Wear mask, gloves and protective clothing.

For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provide sufficient ventilation.

Evacuate the danger area and, if 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:

For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

For cleaning up:

After wiping up, 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

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

At work do not eat or drink.

See also paragraph 8 below.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources 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



8.1 Control parameters:

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No data available on the mixture.

Related to contained substances:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:
 DNEL, inhalation, long-term, systemic effects, workers: 6 mg/m³
 DNEL, inhalation, long-term, local effects, workers: 6 mg/m³
 DNEL, dermal, long term systemic effects, workers: 85 mg/kg bw/day
 DNEL, inhalation, long-term, systemic effects, population: 1.5 mg/m³
 DNEL, inhalation, long-term, local effects, population: 1.5 mg/m³
 DNEL, dermal, long term systemic effects, population: 42.5 mg/kg bw/day
 DNEL, oral, long-term, systemic effects, population: 0425 mg/kg bw/day
 PNEC freshwater: 0.268 mg/l
 PNEC marine water: 0.027 mg/l
 PNEC water (intermittent release): 0.017 mg/l
 Wastewater treatment plant PNEC: 3.43 mg/l
 PNEC sediments (soft water): 8.1 mg/kg dw sediment
 PNEC sediments (sea water): 6.8 mg/kg dw sediment
 PNEC soil: 35 mg/kg dw soil

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:
 DNEL, inhalation, long term, systemic effects, employees: 175 mg/m³
 DNEL, dermal, long term, systemic effects, workers: 2750 mg/kg bw/day
 DNEL, inhalation, long term, systemic effects, population: 52 mg/m³
 DNEL, dermal, long term, systemic effects, population: 1650 mg/kg bw/day
 DNEL, oral, long term, systemic effects, population: 15 mg/kg bw/day
 PNEC, fresh water: 0.24 mg/l
 PNEC, seawater: 0.024 mg/l
 PNEC, water (intermittent release): 0.071 mg/l
 PNEC, wastewater treatment plant: 10 mg/l
 PNEC, sediments (fresh water): 5.45 mg/kg dw sediment
 PNEC, sediments (sea water): 0.545 mg/kg dw sediment
 PNEC, soil: soil 7.5 mg/kg dw

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.

(b) Skin protection

(i) Hand protection

Not needed for normal use.

(ii) Other

When handling the pure product wear full protective skin clothing (EN 14605).

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report


Environmental exposure controls:

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

9. Physical and chemical properties

9.1. Information on basic physical and chemical

Physical and chemical properties	Value	Method of determination
Appearance	green liquid	
Odour	scented	
Odour threshold	not available	
pH	5 - 6	

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Melting point / freezing point	This property is not relevant to the safety and product classification	
Initial boiling point and boiling range	not available	
Flash point	nonflammable	ASTM D92
Evaporation rate	This property is not relevant to the safety and product classification	
Flammability (solid, gas)	nonflammable	
Upper / lower flammability or explosive limits	nonflammable	
Vapour pressure	This property is not relevant to the safety and product classification	
Vapour density	not determined	
Relative density	1.015	
Solubility	in water	
Water solubility	complete	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	This property is not relevant to the safety and product classification	
Decomposition temperature	not determined	
Viscosity	500 - 700 mpa*sec	
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:

No reactivity hazards.

10.2 Chemical stability:

No hazardous reactions when handled and stored according to provisions.

10.3 Possibility of hazardous reactions:

There are no hazardous reactions.

10.4 Condition to avoid:

Nothing to report.

10.5 Incompatible materials:

None in particular.

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.

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- (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:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:
 acute toxicity
 Acute oral toxicity
 LD50 Oral rat:> 2,000 mg / kg; TG 401
 LD50 rat:> 300 to 2000 mg / kg; TG 401
 Target organs: Gastrointestinal tract
 Symptoms: drowsiness, diarrhea, breathing difficulties
 Substance to be tested of: benzenesulfonic acid, and C10-13-alkyl derivatives, sodium salts, = 65%
 Harmful if swallowed.
 LD50 rat:> 2.000 mg / kg; TG 401
 Target organs: Gastrointestinal tract
 Symptoms: drowsiness, diarrhea, breathing difficulties
 Substance to be tested of: benzenesulfonic acid, and C10-13-alkyl derivatives, sodium salts, <65%
 In Base For information AVAILABLE the classification criteria are not satisfied.
 Acute toxicity by inhalation
 The exam does not And Necessary
 Justification:
 routes of exposure or negligible Improbable
 Acute toxicity dermal
 LD50 rat:> 2.000 mg / kg; TG 402
 Symptoms: Local effects, Di Crosta Training
 (Literature value)
 In Base For information AVAILABLE the classification criteria are not satisfied.
 Skin corrosion / irritation
 Irritating to skin
 Rabbit: irritating; TG 404
 (Literature value)
 Provocation skin irritation.
 Serious eye damage / eye irritation serious
 Irritating to eyes
 Rabbit: may cause irreversible damage of the eyes.; OECD Test Guideline 405
 (Literature value)
 Provocation gravi eye damage.
 respiratory or skin sensitization
 sensitization
 Maximisation Test guinea pig: not sensitizing; TG 406
 In Base For information AVAILABLE the classification criteria are not satisfied.
 Germ cell mutagenicity
 Genotoxicity in vitro
 In vitro assays have revealed no mutagenic effects
 (Literature value)
 Genotoxicity in vivo
 The in vivo assays have revealed no mutagenic effects
 (Literature value)
 Remarks
 In Base For information AVAILABLE the classification criteria are not satisfied.
 carcinogenicity
 The substance is not genotoxic and proved, therefore there is no MUST Wait a potential carcinogen.
 reproductive toxicity
 rat; Oral; 2 years
 NOAEL (parents): 350 mg / kg (referring to body weight and day)
 NOAEL (F1): 350 mg / kg (in reference to body weight and day)
 NOAEL (F2): 350 mg / kg (in reference to body weight and day)
 (Literature value)
 Group observation
 Remarks toxicity reproductive
 In Base For information AVAILABLE the classification criteria are not satisfied.
 teratogenicity
 rat; Oral; 20 days
 NOAEL: 300 mg / kg (in reference to body weight and day)
 NOAEL (pregnant female): 300 mg / kg (referring to body weight and day)
 (Literature value)
 mouse; Oral; 20 days
 NOAEL: 300 mg / kg (in reference to body weight and day)
 NOAEL (pregnant female): 2 mg / kg (referring to body weight and day)

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(Literature value)

Observations-Teratogenicity

In Base For information AVAILABLE Classification criteria I Am Not Satisfied.

SPECIFICATIONS target organ toxicity (STOT) - single exposure

Remarks

The Substance or Mixture not classified And come target organ toxicant, single exposure.

SPECIFICATIONS target organ toxicity (STOT) - repeated exposure

Remarks

The substance or mixture is not classified And come SPECIFIC target organ toxicant, repeated exposure.

A repeated dose toxicity

rat; Oral; 28 days

NOAEL: 125 mg / kg (in reference to body weight and day)

LOAEL: 250 mg / kg (in reference to body weight and day)

Target organs: Blood, Liver, Heart, thyme

Symptoms: Increased weight Limited, Diarrhea

(Literature value)

rat; Power in the studio; 6 months

NOAEL: 40 mg / kg (in reference to body weight and day)

LOAEL: 115 mg / kg (in reference to body weight and day)

Target organs: Blood, Kidney, blind

Symptoms: Increased weight Limited, Diarrhea

(Literature value)

rat; drinking water; 9 months

NOAEL: 85 mg / kg (in reference to body weight and day)

LOAEL: 145 mg / kg (in reference to body weight and day)

Target organs: Blood

Symptoms: Increased weight Limited

Danger of aspiration case

Toxicity Aspiration

Not applicable

TOXICOLOGICAL INFORMATION

toxicokinetics

It is assumed that the substance is bioavailable oral intake.

Substance IS metabolised and eliminated by secretion

The Product is not IS VOLTAGE well dermal

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

Acute toxicity.

Acute oral toxicity:

> LD50 2000 mg/kg.

Method: OECD 401.

Toxicity acute dermal:

> LD50 2000 mg/kg.

Method: OECD 402 (value of literature).

Skin Corrosion/Irritation:

Rabbit; irritating.

Method: OECD 404.

Serious eye injuries/ocular severe Irritation:

Rabbit; causes serious eye injuries.

Method: OECD 405 (value of literature).

Respiratory or skin sensitization: Guinea-pig Maximisation test: not a sensitizer.

Method: OECD 406.

Germ cell Mutagenicit.

In vitro mutagenesis:

Ames Method; Salmonella typhimurium; with and without metabolic activation: non-mutagenic.

Method: OECD 471.

LD50 (rat) Oral (mg/kg body weight) = 2000

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

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:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:


Toxic for fish

LC50 (96 h) leptomismacrochirus (fish-Bluegill salt): 1 >-10 mg/l; Static test; US EPA 1975

(value of literature)

Toxic for fish-chronic Toxic

(28 d) Lepomismacrochirus (fish-Bluegill salt): 0.1-1 > mg/l; Rate of growth; 28 d; The ecosystem model

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(value of literature)

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

Toxicity

Toxicity fish:

LC50 Brachydanio rerio > 1-10 mg/l.

OECD TG 203 (semistatic)

Acute toxicity to invertebrates:

EC50 (48 h) Daphnia magna > 1-10 mg/l.

OECD TG 202 (static)

Toxicity to aquatic plants/algae:

EC50 (72 h) Desmodesmus subspicatus (green algae) 10-100 > mg/l product.

OECD TG 201 (static)

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

12.2 Persistence and degradability:

Related to contained substances:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:

Rapidly biodegradable; > 60%; 28 d; aerobic; OECD TEST GUIDELINE 301 B

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

Rapidly biodegradable > 70%; 28 d; aerobic exercise; OECD TG 301 (new version)

12.3 Bioaccumulative potential:

Related to contained substances:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:

Pimephales promelas (Chub); 192 h; OECD TG 305 and

(value of literature)

It accumulates significantly in organisms.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

Not been shown to bioaccumulate.

12.4 Mobility in soil:

Related to contained substances:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:

Soil/sludge sedimentation tank

Slightly mobile in soils

Alcohols, C12-14, ethoxylated, sulfates, sodium salts:

No data available.

12.5 Results of PBT and vPvB assessment:

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

12.6 Other adverse effects:

No adverse effects.

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

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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:

No one.

14.3 Classes of transport hazard:

No one.

14.4 Packing group:

No one.

14.5 Environmental hazards:

No one.

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:

Reg. 648/2004/EC (detergents), Decree 2/2/2002 n. 25 (risks related to chemical agents at work). D.m. 2/26/2004 Work (occupational exposure limits); D.m. 4/3/2007 (implementation of Directive 2006/8/EC). Regulation (EC) No 1907/2006 (REACH) Regulation (EC) no 1272/2008 (CLP), Regulation (EC) no 790/2009, 2012/18/EU Directive (cd. Seveso III).

15.2 Chemical safety assessment:

No chemical safety assessment was carried out by the supplier.

16. Other information

first aid measures, 4.2. Most important symptoms and effects, both acute and delayed, 4.3. Indication of any immediate medical attention and special treatment needed, 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 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

Description of the hazard statements exposed to point 3

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H412 = Harmful to aquatic life with long lasting effects.

Classification based on data of all mixture components

The skin and/or eye classification of this product was effectuated using bridging principles (such as dilution, interpolation within one hazard category or substantially similar mixtures; with or without expert judgement) following Article 9, points 3) and 4) of Regulation (EC) No 1272/2008.

Test with logging number: ICE-PH-15/0338


Main normative references:

Regulation 2008/1272/EC

Regulation 2015/830/EC

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

<https://echa.europa.eu/information-on-chemicals>

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MSDS provided by the customer and on the same raw material

If necessary, 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
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 MSDS cancels and replaces any preceding release.