



# Material Safety Data Sheet

Conforms to Reg. (EU) 830/2015

Board Code S-P4/2-2

Board Date 05/2010

Board Rev. 1

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

### 1.1 Identification of the product:

Trade name: **PAVIMENTI Multiattivo AMACASA**

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

Sectors of use: Detergent for floors and washable surface and floors  
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)  
Phone Tel. +39 030 961243 - Fax +39 030 962500  
[www.newfador.it](http://www.newfador.it) - [info@newfador.it](mailto: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, Aquatic Chronic 3

Hazard statement Code(s):  
H319 - Causes serious eye irritation.  
H412 - Harmful to aquatic life with long lasting effects

If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.  
The product is dangerous to the environment as it is harmful to aquatic life with long lasting effects.

### 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.  
H412 - Harmful to aquatic life with long lasting effects.

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  
P273 - Avoid release to the environment.  
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.

Disposal  
P501 - Dispose of contents/container in compliance with applicable regulations





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

## 2.3 Other hazards:

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
Alcohol C 10-12, ethoxylated, propoxylated	> 0,1 <1%	Acute Tox. 4, H302; Eye Dam. 1, H318	N.D	68154-97-2	614-340-8	N.D.
undecanol, branched and linear, ethoxylated , propoxylated	> 0,1 < 1%	Eye Dam. 1, H318	N.A.	68154-97-2	N.A.	N.A.
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	> 0,1 <1%	Skin Irrit. 2, H315; Eye Dam. 1, H318	n.a.	110615-47-9	600-975-8	01-2119489418-23
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	> 0,1 <1%	Met. Corr. 1, H290; Acute Tox. 4, H302; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	n.a.	68424-85-1	270-325-2	N.A.
(R)-p-mentha-1,8-diene	<0,1%	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Asp. Tox. 1 H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	N.A.	5989-27-5	227-813-5	01-2119529223-47

## 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



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## 5.1 Extinguishing media:

Recommended extinguishing means:

Water, CO<sub>2</sub>, 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:

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. 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.

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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:

No data available on the mixture.

Related to contained substances:

Alcohol C 10-12, ethoxylated, propoxylated:

No data available.

undecanol, branched and linear, ethoxylated, propoxylated:

No data available.

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides:

DNEL, inhalation, long term, systemic effects, workers: 420 mg/m

DNEL, skin, long term, systemic effects, workers: 595000 mg/kg bw/day

DNEL, inhalation, long term, systemic effects, population: 124 mg/m

DNEL, skin, long term, systemic effects, population: 357000 mg/kg bw/day

DNEL, oral, long term, systemic effects, population: 35.7 mg/kg bw/day

PNEC, fresh water: 0.176 mg/L

PNEC seawater: 0.018 mg/L

PNEC, water (intermittent): 0.0295 mg/L

PNEC (freshwater) sediment: 1,516 mg/kg dw sediment

PNEC sediments (seawater): 0.065 mg/kg dw sediment

PNEC soil: soil 0.654 mg/kg dw

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

No data available.

(R)-p-mentha-1,8-diene:

DNEL

Systemic effects Long term Workers inhalation = 33,3 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers inhalation = 8,33 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers oral = 4,76 (mg/kg bw/day)

PNEC

Sweet water = 0,0054 (mg/l)

sediment Sweet water = 1,32 (mg/kg/sediment)

Sea water = 0,00054 (mg/l)

sediment Sea water = 0,13 (mg/kg/sediment)

ground = 0,262 (mg/kg ground)

#### 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.

##### a) Eyes / face protection

When handling the pure product use safety glasses (spectacles cage) (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).



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- ii) Other  
When handling the pure product wear full protective skin clothing.
- c) Respiratory protection  
No 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	liquid	
Odour	scented	
Odour threshold	not defined	
pH	3.5 - 5.00	
Melting point / freezing point	This property is not suitable for safety and product classification	
Initial boiling point and boiling range	non-flammable	
Flash point	non-flammable	ASTM D92
Evaporation rate	This property is not suitable for safety and product classification	
Flammability (solid, gas)	non-flammable	
Upper / lower flammability or explosive limits	non-flammable	
Vapour pressure	This property is not suitable for safety and product classification	
Vapour density	data not available	
Relative density	0.99 - 1.00	
Solubility	in water	
Water solubility	complete	
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:

undecanol, branched and linear, ethoxylated, propoxylated:  
Stable at normal ambient conditions of temperature and pressure. No decomposition if stored and applied as directed.

### 10.2 Chemical stability:

No hazardous reactions when handled and stored according to provisions.

### 10.3 Possibility of hazardous reactions:

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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:

Alcohol C 10-12, ethoxylated, propoxylated:  
Oral rat LD50 > 300-2000 mg/kg

undecanol, branched and linear, ethoxylated, propoxylated:  
No data available.  
LD50 (rat) Oral (mg/kg body weight) = 2000

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides:  
Reproductive toxicity method: male/female Rat (screening of a whole generation, oral gavage: 0, 100, 300, 1000 mg/kg bw, aspect: 2 weeks before and after, until the day of the sacrifice (study 53 days, 4 days post partum). (daily), OECD guidelines 421.  
Search results: NOAEL (P): 1000 mg/kg bw/day (nominal) (male/female) (No treatment-related effect.)  
Method: oral, rat: gavage, 0, 100, 300, 1000 mg/kg bw, aspect: days 6-15 of gestation (daily), OECD Guideline 414  
Search results: NOAEL (maternal toxicity): 1000 mg/kg bw/day (nominal) (no effects related to treatment)  
NOAEL (toxicity development): 1000 mg/kg bw/day (nominal) (no effects related to treatment)  
STOT repeated exposure-method: rats (male/female), subchronic (oral, gavage), 0, 250, 500, 1000 mg/kg bw (nominal in water), exposure: 90 days (daily), EU b. 26 method  
Search results: NOAEL: 100 mg/kg bw/day (nominal) (male/female) (inflammation and ulceration of the mucous membranes of the first layer of the intestine due to bolus administration and irritating potential of test substance.)  
LD50 (rat) Oral (mg/kg body weight) = 5000  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:  
Potential acute health effects

Inhalation: May give off gas, vapor or dust that is very irritating for the system respiratory. Exposure to decomposition products may be hazardous to Health. Following exposure may cause serious delayed effects.

Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach.

Skin contact: Corrosive to the skin. It causes burns. Harmful in contact with skin.

Eye contact: Corrosive to eyes. It causes burns.

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

LD50, Dermal, Rat, 800 to 1420 mg / kg

LD50, Oral, Rat, 240-400 mg / kg

Signs / symptoms

Inhalation: No specific data.

Ingestion: Adverse symptoms may include the following: stomach pains

Skin: Adverse symptoms may include the following: pain or irritation or redness, blistering may occur.

Eyes: Adverse symptoms may include the following: pain, tearing, redness.

(R)-p-mentha-1,8-diene:

NOAEL (ORAL) 1650 mg/kg bw/day

LD50 (oral) > 2000 mg/kg

LD50 (DERMAL) > 2000 mg/kg

### 12. Ecological Information



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## 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:

Alcohol C 10-12, ethoxylated, propoxylated:

LC50 (96 h) Danio rerio (zebrafish): >1-10 mg/l; Static test; OECD TG 203

EC50 (48 h) Daphnia magna (water Flea grande): 1-10 mg/l; Static test; OECD TG 202

CE50r (72 h) Selenastrum capricornutum: > 1-10 mg/l; Static test;

undecanol, branched and linear, ethoxylated, propoxylated:

Toxic to fish LC50 (96 h) Danio rerio (zebrafish): >1 -10 mg/l; static; OECD TG 203

Toxic to Daphnia EC50 (48 h) Daphnia magna (water Flea grande): >1-10 mg/l; Static test;

OECD TG 202

CE50r toxic for algae (72 h) Selenastrum capricornutum: > 1-10 mg/l; Static test; Directive 67/548/EEC, annex V, c. 3.

NOEC 1.7 mg/l Pro

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides:

Acute toxicity (short term)

Fish LC50 (96h, Brachydanio rerio) = 1-10 mg/L

Daphnia EC50 (48 h Daphnia magna) = 1-100 mg/L

Algae EC50 (72 h, Scenedesmus subspicatus) = 1-100 mg/L

Chronic toxicity (long-term)

Fish (Brachydanio rerio) NOEC = 1.8 mg/L

Daphnia NOEC (Daphnia magna) = 1 mg/L

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

Aquatic ecotoxicity

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

Result: Acute EC50 0.02 mg / L

Species: Daphnia

Exposure: 48 hours

Result: Acute EC50 11 mg / L

Species: Bacteria

Exposure: 0.5 hours

Result: Acute LC50 0.85 mg / L

Species: Fish

Exposure: 96 hours

C(E)L50 (mg/l) = 0,5

(R)-p-mentha-1,8-diene:

Acute toxicity for fish, LC50, 96h: 0.70 mg/l

Acute toxicity for Daphnia, EC50, 48h: 0.36 mg/l

Acute toxicity for algae, EC50, 72 h: 8 mg/l

PNEC aqua (freshwater) 5.4 g/L

PNEC soil soil 0.262 mg/kg dw

The product is dangerous for the environment as it is toxic for aquatic organisms following acute exposure.

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

## 12.2 Persistence and degradability:

Related to contained substances:

Alcohol C 10-12, ethoxylated, propoxylated:

Rapidly biodegradable

undecanol, branched and linear, ethoxylated, propoxylated:

Rapidly biodegradable.; >60%; 28 d; aerobic exercise; OECD TG 301 B

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides:

Activated sludge, not adapted, OECD 301E line guide, readily biodegradable, 88% after 28 days ( removable DOC)


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

readily biodegradable

(R)-p-mentha-1,8-diene:

Readily biodegradable.



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### 12.3 Bioaccumulative potential:

Related to contained substances:

Alcohol C 10-12, ethoxylated, propoxylated:  
No data available

undecanol, branched and linear, ethoxylated, propoxylated:  
No data available.

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides:  
Log Kow <-0.07

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:  
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides  
LogPow: 0.5  
BCF: 0.5  
Potential: Low

(R)-p-mentha-1,8-diene:  
BCF: 1022 L/kg (w/w)

### 12.4 Mobility in soil:

Related to contained substances:

Alcohol C 10-12, ethoxylated, propoxylated:  
No data available

undecanol, branched and linear, ethoxylated, propoxylated:  
No data available.

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides:  
log Koc = 1.7 at 25 °C

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides:  
No data available.

(R)-p-mentha-1,8-diene:  
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. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force.

## 14. Transport information



### 14.1 UN number:



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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**

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, 4.2. Most important symptoms and effects, both acute and delayed, 6.1. Personal precautions, protective equipment and emergency procedures, 7.1. Precautions for safe handling, 8.1. Control parameters, 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

Description of the hazard statements exposed to point 3

H302 = Harmful if swallowed.  
 H318 = Causes serious eye damage.  
 H315 = Causes skin irritation.  
 H317 = May cause an allergic skin reaction.  
 H400 = Very toxic to aquatic life.  
 H410 = Very toxic to aquatic life with long lasting effects.  
 H290 = May be corrosive to metals.  
 H314 = Causes severe skin burns and eye damage.  
 H226 = Flammable liquid and vapour.  
 H304 = May be fatal if swallowed and enters airways.

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)

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

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:



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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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