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

### 1.1 Identification of the product:

Trade name: **LAVATRICE Classico LINDOR**

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

Sectors of use: Laundry detergent and washing by hand  
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 statement Code(s):  
H319 - Causes serious eye irritation.

Classified on the basis of the study results ICE-PH-15/0339

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.

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% < 15% anionic surfactants, < 5% non-ionic surfactants, soap, Glutaraldehyde, benzyl isothiazolinone perfumes.

### 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.



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### 3. Composition / information on ingredients

#### 3.1 Substances:

Irrelevant.

#### 3.2 Mixtures:

Refer to section 16 for the full text of risk phrases and hazard statements.

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Acido benzensolfonico, C10-13-alchil derivati, sali di sodio	> 5 <= 10%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318	N.A.	68411-30-3	270-115-0	01-2119489428-22
Alcohols, C12-13- branched and linear, ethoxylated (>5 - 10 EO)	> 1 <= 5%	Acute Tox. 4, H302; Eye Dam. 1, H318	N.A.	160901-19-9	931-954-4	01-2119490233-42
Alkyl ether sulfate, C12-C14, sodium salt	> 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.

At work do not eat or drink.

See also paragraph 8.

### 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:

No data available on the mixture.

Related to contained substances:

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Acido benzensolfonico, C10-13-alchil derivati, sali di sodio:

National occupational exposure limits

No data available

European national exposure limits

No data available

Derived no-effect level (DNEL)

Workers, Dermal Exposure acute/short-term-systemic effects:

Not applicable/not applicable

Workers, Inhalation, acute/short-term-systemic effects:

Not applicable/not applicable

Workers, Dermal Exposure acute/short-term-local effects:

Not applicable/not applicable

Workers, Inhalation, acute/short-term-local effects:

Not applicable/not applicable

Workers, Dermal Exposure-long-term systemic effects: 170 mg/kg

in reference to body weight and day

Workers, Inhalation, exposure to long-term systemic effects: 12 mg/m<sup>3</sup>

Workers, dermal exposure to long term-local effects:

Not applicable/not applicable

Workers, Inhalation, long-term Exposure-local effects: 12 mg/m<sup>3</sup>

Consumers, Dermal Exposure acute/short-term-systemic effects:

Not applicable/not applicable

Consumers, Inhalation, acute/short-term-systemic effects:

Not applicable/not applicable

Consumers, oral, acute/short-term-systemic effects:

Not applicable/not applicable

Consumers, Dermal Exposure acute/short-term-local effects:

Not applicable/not applicable

Consumers, Inhalation, acute/short-term-local effects:

Not applicable/not applicable

Consumers, Dermal Exposure-long-term systemic effects: 85 mg/kg

in reference to body weight and day

Consumers, Inhalation, exposure to long-term systemic effects: 3 mg/m<sup>3</sup>

Consumers, oral, long-term exposure to systemic effects: 0.85 mg/kg

in reference to body weight and day

Consumers, dermal exposure to long term-local effects:

Not applicable/not applicable

Consumers, Inhalation, long-term Exposure-local effects: 3 mg/m<sup>3</sup>

Predictable no effect concentration (PNEC)

Fresh water: 0.268 mg/l

Sea water: 0.0268 mg/l

Temporary spill: 0.0167 mg/l

Wastewater treatment: 3.43 mg/l

Freshwater: sediment 8.1 mg/kg

in reference to the dry mass

Marine sediment: 8.1 mg/kg

in reference to the dry mass

Soil: 35 mg/kg

in reference to the dry mass

Food:

Not applicable/not applicable

Alcohols, C12-13- branched and linear, ethoxylated (>5 - 10 EO):

DNEL, inhalation, long term, systemic effects, workers: 294 mg/m<sup>3</sup>

DNEL, dermal, long term, systemic effects, workers: 2080 mg/kg bw/day

DNEL, dermal, short term, systemic effects, workers: 87 mg/kg bw/day

DNEL, dermal, long term, systemic effects, population: 1250 mg/kg bw/day

DNEL, oral, long term, systemic effects, population: 25 mg/kg bw/day

PNEC, fresh water: 0.022 mg/l

PNEC, seawater: 0.022 mg/l

PNEC, water (intermittent release): 0.00282 mg/l

PNEC, wastewater treatment plant: 10 mg/l

PNEC, sediments (fresh water): 5.91 mg/kg dw sediment

PNEC, sediments (sea water): 5.91 mg/kg dw sediment

PNEC, soil: 1 mg/kg dw soil

Alkyl ether sulfate, C12-C14, sodium salt:


DNEL, inhalation, long term, systemic effects, employees: 175 mg/m<sup>3</sup>

DNEL, dermal, long term, systemic effects, workers: 2750 mg/kg bw/day

DNEL, inhalation, long term, systemic effects, population: 52 mg/m<sup>3</sup>

DNEL, dermal, long term, systemic effects, population: 1650 mg/kg bw/day

DNEL, oral, long term, systemic effects, population: 15 mg/kg bw/day

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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.

### a) Eyes / face protection

No needed for normal use.

### 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

Wear normal work 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	Parfum	
Odour threshold	not determined	
pH	8.5 - 9.5	
Melting point / freezing point	This property is not relevant to the safety and product classification	
Initial boiling point and boiling range	not determined	
Flash point	Non flammable	ASTM D92
Evaporation rate	This property is not relevant to the safety and product classification	
Flammability (solid, gas)	Non flammable	
Upper / lower flammability or explosive limits	Non flammable	
Vapour pressure	This property is not relevant to the safety and product classification	
Vapour density	not determined	
Relative density	1.025	
Solubility	in water	
Water solubility	in water	
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	200 - 400 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	

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## 9.2 Other information

No data available.

## 10. Stability and reactivity

### 10.1 Reactivity:

Related to contained substances:

Acido benzensolfonico, C10-13-alchil derivati, sali di sodio:  
No decomposition if stored and used as follows

### 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 no 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:

Acido benzensolfonico, C10-13-alchil derivati, sali di sodio:  
Acute toxic

Acute oral toxic

Oral LD50 rat: > 2,000 mg/kg; OECD TG 401

LD50 rat: > 300-2,000 mg/kg; OECD TG 401

Target organs: the gastrointestinal tract

Symptoms: Drowsiness, diarrhea, Difficulty breathing

To be submitted to the test substance: BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., sodium salts, = 65%

Harmful if swallowed.

LD50 rat: > 2,000 mg/kg; OECD TG 401

Target organs: the gastrointestinal tract

Symptoms: Drowsiness, diarrhea, Difficulty breathing


To be submitted to the test substance: BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., sodium salts, < 65% based on the data available  
classification criteria are not satisfied. acute inhalation Toxic examination not required Justification: negligible exposure routes or improbable acute

Toxic dermal Ld50 rat: > 2,000 mg/kg; OECD TG 402

Symptoms: local Effects of crust Formation


(value of literature)

On the basis of available data classification criteria are not met.

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Corrosion/irritation  
Irritating to skin  
Rabbit: irritant; OECD TG 404  
(value of literature)  
Causes skin irritation.  
Serious eye injuries/ocular severe irritation  
Irritating to eyes  
Rabbit: May cause irreversible damage to the eyes; OECD TG 405  
(value of literature)  
Causes serious eye injuries.  
Respiratory or skin sensitisation  
Awareness  
Guinea pig Maximisation Test India: not a sensitizer; OECD TG 406  
On the basis of available data classification criteria are not met.  
Mutagenicity germ cell tumor  
In vitro Genotoxicity  
In vitro tests revealed no mutagenic effects  
(value of literature)  
Genotoxicity in vivo in vivo tests revealed no mutagenic effects  
(value of literature)  
Comments  
On the basis of available data classification criteria are not met.  
Carcinogenicity  
The substance turned out to be not genotoxic, so you don't have to wait for a potential carcinogen.  
Reproductive toxic  
rat; Oral; 2 years  
(PAIS) NOAEL: 350 mg/kg (in reference to body weight and day)  
(F1) NOAEL: 350 mg/kg (in reference to body weight and day)  
NOAEL (F2): 350 mg/kg (in reference to body weight and day)  
(value of literature)  
Group observation  
Reproductive Observations Toxicity  
On the basis of available data classification criteria are not met.  
Teratogenicity rat; Oral; 20 days ago  
NOAEL: 300 mg/kg (in reference to body weight and day)  
NOAEL (gravid female): 300 mg/kg (in reference to body weight and day)  
(value of literature)  
mouse; Oral; 20 days ago  
NOAEL: 300 mg/kg (in reference to body weight and day)  
NOAEL (gravid female): 2 mg/kg (in reference to body weight and day)  
(value of literature)  
Comments-Teratogenicity  
On the basis of available data the classification criteria are not met.  
Specific toxic to target organs (STOT)-single exposure  
Observations on the substance or mixture is classified as intoxicating to a target organ for single exposure.  
Specific toxic to target organs (STOT) – repeated exposure  
Comments on The substance or mixture is not classified as intoxicating to a specific target organ for repeated exposure.  
Repeated dose toxic  
rat; Oral; 28 days ago  
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, thymus  
Symptoms: limited increase in body weight, diarrhoea  
(value of literature)  
rat; feeding study; 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, Kidneys, blind  
Symptoms: limited increase in body weight, diarrhoea  
(value of literature)  
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: limited increase in body weight  
Danger in case of aspiration  
Toxic for suction  
Not applicable  
Toxicological information Toxicokinetics  
It is assumed that the substance is bioavailable for oral intake.  
The substance is metabolized and eliminated for secretion  
The substance is not absorbed well through the skin  
LD50 (rat) Oral (mg/kg body weight) = 1020



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

Alcohols, C12-13- branched and linear, ethoxylated (>5 - 10 EO):

Acute oral toxicity:

LD50 rat: > 300-2,000 mg/kg

Group observation

Test values/own bibliographic values

Harmful if swallowed.

Acute toxicity by inhalation:

No data available

Acute toxicity, dermal:

LD50 rabbit: > 2,000 mg/kg;

Group observation

(value of literature)

On the basis of available data classification criteria are not met.

Corrosion/irritation

Irritating to the skin:

Rabbit: non-irritant

Group observation

Test values/own bibliographic values

On the basis of available data classification criteria are not met.

Serious eye injury/serious eye irritation

Irritating to the eyes:

Rabbit: May cause irreversible damage to the eyes.

Test values/own bibliographic values

Group observation

Causes serious eye injuries.

Respiratory or skin sensitisation

Sensitisation:

Guinea pig Maximisation Test India: not a sensitizer

Group observation

(value of literature)

On the basis of available data classification criteria are not met.

Mutagenicity germ cell tumor

Genotoxicity in vitro:

In vitro tests revealed no mutagenic effects

Group observation

Test values/own bibliographic values

In vivo: Genotoxicity

In vivo tests revealed no mutagenic effects

Group observation

(value of literature)

Comments:

On the basis of available data classification criteria are not met.

Email: Cancerogenicity

The substance turned out to be not genotoxic, so you don't have to wait for a potential carcinogen.

Group observation

(value of literature)

Comments:

On the basis of available data classification criteria are not met.

Reproductive toxic:

Study of toxicity for reproduction on two generations: rat

NOAEL ((parents)): > 250 mg/kg (in reference to body weight and day)

NOAEL (F1): > 250 mg/kg (in reference to body weight and day)

NOAEL (F2): > 250 mg/kg (in reference to body weight and day)

Group observation

(value of literature)

Reproductive Toxicity comments:

On the basis of available data classification criteria are not met.

Teratogenicity

rat; Oral

NOAEL: > 50 mg/kg (in reference to body weight and day)

NOAEL (gravid female): 50 mg/kg (in reference to body weight and day);

Study of toxicity for reproduction on two generations

Group observation

(value of literature)

rat; The Dermis

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

NOAEL (gravid female): 250 mg/kg (in reference to body weight and day);


Study of toxicity for reproduction on two generations

Group observation

(value of literature)

-Teratogenicity Comments:



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On the basis of available data classification criteria are not met.

Specific toxicity to target organs (STOT)-single exposure

Comments:

The substance or mixture is classified as intoxicating as a target organ for single exposure.

Specific toxicity to target organs (STOT) – repeated exposure

Comments:

The substance or mixture is classified as intoxicating to a specific target organ for repeated exposure.

Repeated dose toxicity:

rat; Oral; 2 years

NOAEL: 50 mg/kg (in reference to body weight and day)

Target organs: Heart, liver, kidney

Symptoms: increased body weight, limited increase in relative weights of organs.

Group observation

(value of literature)

Danger in case of aspiration

Toxicity by aspiration:

not applicable

Alkyl ether sulfate, C12-C14, sodium salt:

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 Mutagenicity.

In vitro mutagenesis:

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

Method: OECD 471.

## 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:

Acido benzensolfonico, C10-13-alcil derivati, sali di sodio:

Toxic for fish

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

(value of literature)

Toxic for fish-chronic Toxic

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

(value of literature)

C(E)L50 (mg/l) = 0,2

Alcohols, C12-13- branched and linear, ethoxylated (>5 - 10 EO):

Toxicity for fish:

LC50 (96 h) *Cyprinus carpio* (CARP): 1-10 > mg/l; Flow-through test; OECD TG 203

Test values/own bibliographic values group observation

Toxicity to daphnia and other aquatic invertebrates:

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

Test values/own bibliographic values

Group observation

Toxicity to aquatic plants:

EC50 (72 h) *Desmodesmus subspicatus* (green algae): 1-10 > mg/l; Static test; OECD TG 201;

Test values/own bibliographic values

Group observation


Toxicity to bacteria:

EC50 activated sludge: 140 mg/l; Respiration inhibitor

Group observation

(value of literature)

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

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Alkyl ether sulfate, C12-C14, sodium salt:

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:

No data available on the mixture.

Related to contained substances:

Acido benzensolfonico, C10-13-alchil derivati, sali di sodio:

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

Alcohols, C12-13- branched and linear, ethoxylated (>5 - 10 EO):

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

Test values/own bibliographic values

Group observation

Alkyl ether sulfate, C12-C14, sodium salt:

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

## 12.3 Bioaccumulative potential:

No data available on the mixture.

Related to contained substances:

Acido benzensolfonico, C10-13-alchil derivati, sali di sodio:

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

(value of literature)

It accumulates significantly in organisms.

Alcohols, C12-13- branched and linear, ethoxylated (>5 - 10 EO):

Bioaccumulation unlikely.

(value of literature)

Alkyl ether sulfate, C12-C14, sodium salt:

Not been shown to bioaccumulate.

## 12.4 Mobility in soil:

No data available on the mixture.

Related to contained substances:

Acido benzensolfonico, C10-13-alchil derivati, sali di sodio:

Soil/settling sludge

Slightly mobile in soils

Alcohols, C12-13- branched and linear, ethoxylated (>5 - 10 EO):

No data available

Alkyl ether sulfate, C12-C14, sodium salt:


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.

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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:**

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:**

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: 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 4.2. Most important symptoms and effects, both acute and delayed, 8.1. Control parameters, 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.

H315 = Causes skin irritation.

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H318 = Causes serious eye damage.

H412 = Harmful 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

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.