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

**1.1 Identification of the product:**

Trade name: **LAVA PAVIMENTI 2Alcool AMACASA**

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

Sector 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

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.

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.


Contains (Reg.EC 648/2004):< 5% anionic surfactants, non-ionic surfactants, Glutaraldehyde, Benzisothiazolinone , 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 hazard statements.

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
undecanol, branched and linear, ethoxylated, propoxylated	> 0,1 <= 1%	Acute Tox. 4, H302; Eye Dam. 1, H318	N.D.	68154-97-2	614-340-8	N.D.
Sulfuric acid, mono-C12-16-alkyl esters, sodium salts	> 0,1 <= 1%	Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 3, H412	n.a.	73296-89-6	277-362-3	01-2119489464-26
Alcohols C11-13-branched, ethoxylated (>5-20 EO)	> 0,1 <= 1%	Acute Tox. 4, H302; Eye Dam. 1, H318		68439-54-3	931-985-3	non pertinente (polimero)

### 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:

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

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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.

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.

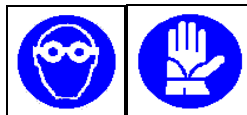
Public domain (administration, education, entertainment, services, craftsmen):

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

Sulfuric acid, mono-C12-16-alkyl esters, sodium salts  
No data available

Alcohols C11-13-branched, ethoxylated (>5-20 EO)  
No data available

## 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).

#### ii) Other

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

### c) Respiratory protection

No needed for normal use.

### d) Thermal hazards

No hazard to report

Environmental exposure controls:

Relating to single components:

C11-13-branched alcohols, ethoxylated (> 5-20 EO):

respiratory protection

Normally it required any protective device for the respiratory system. In case of insufficient ventilation, the limit values in the workplace, excessive odor nuisance or the presence of aerosols, mists and smoke, you need to use a protective mask for independent respiratory ambient air or a protective mask respiratory system with filter type a or a respective combination filter (aerosol, mist and smoke, for example, a-P2 or ABEK-P2) in accordance with standard EN141.

Hand Protection

The selection of suitable gloves does not only depend on the material it is made, but also on other quality characteristics and its particularities of one producer to another. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Please also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Be careful to the fact that if used daily, the duration of the protective glove resistant to chemical products, can be considerably shorter the penetration time measured according to EN374. This is due to many external factors such as the temperature.

Gloves suitable for protection against the permanent contact:

Material: butyl rubber

Breakthrough time: > = 480 minutes

Material thickness: > = 0.7 mm

Gloves suitable for penetration against splashes:

Material: nitrile rubber / latex, nitrile


Breakthrough time: > = 30 minutes

Material thickness: > = 0.4 mm

## 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	9,50 -10.50	
Melting point / freezing point	This property is not suitable for safety and product classification	
Initial boiling point and boiling range	Data not available	

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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	0.99 - 1.00	
Solubility	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:

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

### 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) corrosion / irritation: Based on available data the classification criteria are not met.
- (c) serious eye irritation / injuries: The product, if brought into contact with the eyes, it causes considerable irritation which can last for over 24 hours.
- (d) sensitization of the respiratory tract or skin: on the basis of available data, the classification criteria are not met.
- (e) germ cell mutagenicity: Based on available data the classification criteria are not met.
- (e) carcinogenicity: Based on the available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.

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- (h) specific target organ toxicity (STOT) single exposure: on the basis of available data, the classification criteria are not met.  
 (i) a specific target organ toxicity (STOT) Repeated exposure: on the basis of available data, the classification criteria are not met.  
 (j) aspiration hazard: on the basis of available data, the classification criteria are not met.


Relating to single components:

Undecanol, branched and linear, ethoxylated, propoxylated:  
 LD50 oral rat > 300-2000 mg / kg  
 Oral LD50 (rat) (mg / kg body weight) = 300

sulfuric acid, mono-C12-16-alkyl esters, sodium salts:  
 Acute oral toxicity:  
 LD50 > 2000 mg / kg body weight (Experiment)  
 Skin irritation:  
 irritating  
 Method: OECD 404  
 Eye irritation:  
 irritating  
 Method: OECD 405  
 In vitro mutagenesis:  
 not mutagenic  
 Method: OECD 471

C11-13-branched alcohols, ethoxylated (> 5-20 EO):  
 acute toxicity  
 Acute oral toxicity  
 Alcohols, C7-18, ethoxylated (> 5-20 EO)  
 LD50 rat: > 300-2000 mg kg; test values / her biological values (Sasol)  
 Acute toxicity  
 alcohols, C7-18, ethoxylated (> 5-20 EO)  
 dermal LD50 rat: > 2000 mg / kg; test values / her biological values (Sasol)  
 Skin corrosion / irritation  
 Irritating to the skin  
 alcohols, C7-18, ethoxylated (> 5-20 EO)  
 Rabbit: non irritant; test values / her biological values (Sasol)  
 Serious eye damage / eye irritation  
 Irritating to eyes  
 alcohols C7-18, ethoxylated (> 5-20 EO)  
 Rabbit: causes serious damage to eyes; test Vlaori / her biological values (Sasol)  
 respiratory or skin sensitization  
 Awareness  
 alcohols C7-18, ethoxylated (> -20 EO)  
 maximization test guinea pig: not sensitizing; test values / her biological values (Sasol)  
 Germ cell mutagenicity  
 Genotoxicity in vitro  
 alcohols C7-18, ethoxylated (> 5-20 EO)  
 Carcinogenicity  
 alcohols C7-18, ethoxylated (> 5-20 EO)  
 information these are not available.  
 reproductive toxicity  
 Observations-toxicity  
 alcohols C7-18, ethoxylated (> 5-20 EO)  
 Reproductive no data available  
 specific target organ toxicity (STOT) - single exposure  
 Remarks  
 alcohols C7-18, ethoxylated (> 5-20 EO)  
 this information is not available  
 specific target organ toxicity (STOT) - repeated exposure  
 Remarks  
 alcohols C7-18, ethoxylated (> 5-20 EO)  
 this information is not available  
 Danger Aspiration  
 Aspiration toxicity  
 alcohols C7-18, ethoxylated (> 5-20 EO)  
 Not applicable  
 Further information  
 Toxicological information  
 Alcohols, C7-18, ethoxylated (> 5-20 EO)  
 (s) none  
 Oral LD50 (rat) (mg / kg body weight) = 2000  
 Dermal LD50 (rat or rabbit) (mg / kg body weight) = 20000

## 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:

Undecanol, branched and linear, ethoxylated, propossilat:

LC50 (96 h) Danio rerio (zebra fish):> 1 - 10 mg / l; static test; OECD Test Guideline 203  
 EC50 (48 h) Daphnia magna (Water flea):> 1 - 10 mg / l; static test; OECD Test Guideline 202  
 ErC50 (72 h) Selenastrum capricornutum:> 1 - 10 mg / l; static test;  
 L (E) C50 (mg / l) = 1

sulfuric acid, mono-C12-16-alkyl esters, sodium salts:

Acute fish toxicity:

LC50> 10 - <= 100 mg product / l.

Method: ISO 7346/2 (semistatic)

Acute bacterial toxicity:

EC0> 100 mg product / l.

Method: Acute bacterial toxicity in accordance with OECD Method 209.

C11-13-branched alcohols, ethoxylated (> 5-20 EO):

for fish toxicity

C7-18 alcohols, ethoxylated (> 5-20 EO)

Cyprinus carpio LC50:> 1.10 mg / l; 96 h; EOCD TG 203; test values / her biological values (Sasol)

Toxicity to daphnia

C7-18 alcohols, ethoxylated (> 5-20 EO)

EC50 Daphnia magna:> 1.10 mg / l; 48 h, OECD TG202; test values / her biological values (Sasol)

Algae toxicity

C7-18 alcohols, ethoxylated (> 5-20 EO)

EC50 Desmodesmus subspicatus (green algae):> 1.10 mg / l; 72 h OECD Test Guideline 201; test values / her biological values (Sasol)

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

### 12.2 Persistence and degradability:

Related to contained substances:

Undecanol, branched and linear, ethoxylated, propoxylated:

Readily biodegradable;

sulfuric acid, mono-C12-16-alkyl esters, sodium salts :

primary degradation:

The surfactants contained in this preparation, as required by EU legislation for detergents 82/242 (nonionic surfactants) and 82/243 / EEC (anionic surfactants) on average at least 90% biodegradable.

Ultimate biodegradation:

Quick and easy to degrade: in tests for ease of degradability, all substances contained in the product achieve> 60% BOD / COD or CO2 liberation, or> 70% DOC reduction. This is within the limit values for 'degrading dabile easily / readily degradable "(eg. OECD 301) methods.

C11-13-branched alcohols, ethoxylated (> 5-20 EO):

biodegradability

Alcohols branched / linear ethoxylate

Readily biodegradable:> 70%; 28 d; OECD Test Guideline 301 A (new version); test values / her biological values (Sasol)

### 12.3 Bioaccumulative potential:

Related to contained substances:

Undecanol, branched and linear, ethoxylated, propoxylated:

no data available

sulfuric acid, mono-C12-16-alkyl esters, sodium salts:

No data available.

C11-13-branched alcohols, ethoxylated (> 5-20 EO):

No data available


### 12.4 Mobility in soil:

Related to contained substances:

Undecanol, branched and linear, ethoxylated, propoxylated:

no data available



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sulfuric acid, mono-C12-16-alkyl esters, sodium salts:  
No data available.

C11-13-branched alcohols, ethoxylated (> 5-20 EO):  
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



##### 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).



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## 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, 4.1. Description of first aid measures, 4.3. Indication of any immediate medical attention and special treatment needed, 6.1. Personal precautions, protective equipment and emergency procedures, 6.3. Methods and material for containment and cleaning up, 7.1. Precautions for safe handling, 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 10.2. Chemical stability, 10.3. Possibility of hazardous reactions, 10.4. Conditions to avoid, 10.5. Incompatible materials, 10.6. Hazardous decomposition products, 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

H225 = Highly flammable liquid and vapour.

H319 = Causes serious eye irritation.

H302 = Harmful if swallowed.

H318 = Causes serious eye damage.

H315 = Causes skin irritation.

H412 = Harmful to aquatic life with long lasting effects.

H317 = May cause an allergic skin reaction.

H411 = Toxic to aquatic life with long lasting effects.

H400 = Very toxic to aquatic life.

H290 = May be corrosive to metals.

H314 = Causes severe skin burns and eye damage.

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:

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.