



Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking.

1.1. Product identifier.

Product name. **FILAVIABAGNO**
Chemical name and synonym. **Specific detergent for bathroom cleaning**

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

Intended use. **Specific detergent for bathroom cleaning.**

Identified Uses	Industrial.	Professional.	Consumer.
Uses	✓	✓	✓

1.3. Details of the supplier of the safety data sheet.

Name. **FILA INDUSTRIA CHIMICA S.P.A.**
Full address. **Via Garibaldi, 58**
District and Country. **35018 San Martino di Lupari (PD)**
ITALIA
Tel. +39.049.9467300
Fax. +39.049.9460753

e-mail address of the competent person.
responsible for the Safety Data Sheet.

sds@filasolutions.com

1.4. Emergency telephone number.

For urgent inquiries refer to. **TEL +39.049.9467300 (Monday – Friday; 8.30 - 12.30 and 14.00 - 17.30)**
UNITED KINGDOM: NHS Direct 111 (In England, Scotland North Ireland) 08454647 (Wales); IRELAND 018092166

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2	H319	Causes serious eye irritation.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.



Hazard pictograms:



Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents / container in accordance with local/regional/national/international regulation.

Ingredients according to Regulation (EC) No. 648/2004

Less than 5% cationic surfactants, non-ionic surfactants

perfumes, Benzyl Benzoate, Butylphenyl Methylpropional, Hydroxycitronellal, Limonene, Linalool

2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients.**3.1. Substances.**

Information not relevant.

3.2. Mixtures.

Contains:

The full wording of hazard (H) phrases is given in section 16 of the sheet.

Identification.**Alcohols C12-14, ethoxylated**

CAS. 68439-50-9

 $2,5 \leq x < 3$ **Classification 1272/2008 (CLP).**Acute Tox. 4 H302, Eye Dam.
1 H318, Aquatic Chronic 3
H412

EC. -



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CITRIC ACID

CAS. 77-92-9 $2 \leq x < 2,5$ Eye Irrit. 2 H319

EC. 201-069-1

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Reg. no. 01-2119457026-42

PROPYLENE GLYCOL MONO METHYL ETHER

CAS. 107-98-2 $2 \leq x < 2,5$ Flam. Liq. 3 H226, STOT SE
3 H336

EC. 203-539-1

INDEX. 603-064-00-3

Reg. no. 01-2119457435-35

DIPROPYLENE GLYCOL MONOMETHYL ETHER

CAS. 34590-94-8 $1 \leq x < 1,5$ Eye Irrit. 2 H319

EC. 252-104-2

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Reg. no. 01-2119450011-60

**QUATERNARY AMMONIUM COMPOUNDS,
BENZYL-C8-18-ALKYLDIMETHYL, CHLORIDES**

CAS. 68424-85-1 $0,3 \leq x < 0,35$ Met. Corr. 1 H290, Acute Tox.
4 H302, Skin Corr. 1B H314,
Aquatic Acute 1 H400 M=10,
Aquatic Chronic 1 H410 M=1

EC. 270-325-2

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SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

For symptoms and effects caused by the contained substances, see chap. 11.

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

Information not available.



SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.



SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

CZE	Česká Republika	Nariadení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
DNK	Danmark	Graensevaerdier per stoffer og materialer
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
FIN	Suomi	HTP-arvot 2012. Haitallisiksi tunnetut pitoisuudet - Sosiaali- ja terveystieteiden tutkimuskeskus julkaisuja 2012:5
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ - ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
HRV	Hrvatska	NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva
HUN	Magyarország	50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
NOR	Norge	Veiledning om Administrative normer for forurensning i arbeidsatmosfære
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho -



SVK Slovensko
SVN Slovenija
SWE Sverige
TUR Türkiye
EU OEL EU
TLV-ACGIH

Diario da Republica I 26; 2012-02-06
NARIADENIE VLÁDY Slovenskej republiky z 20. júna 2007
Uradni list Republike Slovenije 15. 6. 2007
Occupational Exposure Limit Values, AF 2011:18
2000/39/EC sayılı Direktifin ekidir
Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC;
Directive 2000/39/EC.
ACGIH 2016

CITRIC ACID

Predicted no-effect concentration - PNEC.

Normal value in fresh water	0,44	mg/L
Normal value in marine water	0,044	mg/L
Normal value for fresh water sediment	34,6	mg/kg dw
Normal value for marine water sediment	3,46	mg/kg dw
Normal value of STP microorganisms	1000	mg/L
Normal value for the terrestrial compartment	33,1	mg/kg dw

PROPYLENE GLYCOL MONO METHYL ETHER**Threshold Limit Value.**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
TLV	CZE	270		550		SKIN.
AGW	DEU	370	100	740	200	
MAK	DEU	370	100	740	200	
TLV	DNK	185	50			
VLA	ESP	375	100	568	150	SKIN.
HTP	FIN	370	100	560	150	SKIN.
VLEP	FRA	188	50	375	10	SKIN.
WEL	GBR	375	100	560	150	SKIN.
TLV	GRC	360	100	1080	300	
GVI	HRV	375	100	568	150	SKIN.
AK	HUN	375		568		
VLEP	ITA	375	100	568	150	SKIN.
OEL	NLD	375		563		SKIN.
TLV	NOR	180	50			SKIN.
NDS	POL	180		360		
VLE	PRT	375	100	568	150	
NPHV	SVK	375	100	568		SKIN.
MAK	SWE	190	50	300	75	SKIN.
ESD	TUR	375	100	568	150	SKIN.
OEL	EU	375	100	568	150	SKIN.
TLV-ACGIH		184	50	368	100	

Predicted no-effect concentration - PNEC.

Normal value in fresh water	10	mg/l
Normal value in marine water	1	mg/l
Normal value for fresh water sediment	52,3	mg/kg/d
Normal value for marine water sediment	5,2	mg/kg/d
Normal value for water, intermittent release	100	mg/l
Normal value of STP microorganisms	100	mg/l

Health - Derived no-effect level - DNEL / DMEL

Effects on

Effects on



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Route of exposure	consumers. Acute local	Acute systemic	Chronic local	Chronic systemic	workers Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.			VND	3,3 mg/kg bw/d				
Inhalation.			VND	43,9 mg/kg			553,5 mg/m3	369 mg/m3
Skin.			VND	18,1 mg/kg bw/d			VND	50,6 mg/kg bw/d

DIPROPYLENE GLYCOL MONOMETHYL ETHER

Threshold Limit Value.

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	
TLV	CZE	270		550		SKIN.
AGW	DEU	310	50	310	50	
MAK	DEU	310	50	310	50	
TLV	DNK	300	50			
VLA	ESP	308	50			SKIN.
HTP	FIN	310	50			
VLEP	FRA	308	50			SKIN.
WEL	GBR	308	50			SKIN.
TLV	GRC	600	100	900	150	
AK	HUN	308		308		
VLEP	ITA	308	50			SKIN.
TLV	NOR	300	50			SKIN.
NDS	POL	240		480		
VLE	PRT	308	50			SKIN.
NPHV	SVK	308	50			SKIN.
MV	SVN	308	50			SKIN.
MAK	SWE	300	50	450	75	SKIN.
ESD	TUR	308	50			SKIN.
OEL	EU	308	50			SKIN.
TLV-ACGIH		606	100	909	150	SKIN.

Predicted no-effect concentration - PNEC.

Normal value in fresh water	19	mg/l
Normal value in marine water	1,9	mg/l
Normal value for fresh water sediment	70,2	mg/kg
Normal value for marine water sediment	7,02	mg/kg
Normal value for water, intermittent release	190	mg/l
Normal value of STP microorganisms	4168	mg/l
Normal value for the terrestrial compartment	2,74	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers. Acute local	Acute systemic	Chronic local	Chronic systemic	Effects on workers Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.			VND	36 mg/kg bw/d				
Inhalation.			VND	37,2 mg/m3			VND	308 mg/m3
Skin.			VND	121 mg/kg bw/d			VND	283 mg/kg/d

Legend:



(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

TLV of solvent mixture: 184 mg/m³.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

Appearance	liquid
Colour	blue
Odour	Citrusy
Odour threshold.	Not available.
pH.	2,2
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.



Flash point.	> 61 °C.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	Not available.
Solubility	Readily soluble
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information.

Total solids (250°C / 482°F)	2,12 %
VOC (Directive 2010/75/EC) :	3,00 %
VOC (volatile carbon) :	1,63 %

SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

PROPYLENE GLYCOL MONO METHYL ETHER

Dissolves various plastic materials. Stable in normal conditions of use and storage.

Absorbs and dissolves in water and in organic solvents. With air it may slowly form explosive peroxides.

DIPROPYLENE GLYCOL MONOMETHYL ETHER

May react with: oxidising substances. When heated to decomposition releases: harsh fumes, zinc alloys.

10.2. Chemical stability.

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

10.3. Possibility of hazardous reactions.

The vapours may also form explosive mixtures with the air.

PROPYLENE GLYCOL MONO METHYL ETHER

May react dangerously with: strong oxidising agents, strong acids.

**10.4. Conditions to avoid.**

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

PROPYLENE GLYCOL MONO METHYL ETHER

Avoid exposure to: air.

10.5. Incompatible materials.

PROPYLENE GLYCOL MONO METHYL ETHER

Incompatible with: oxidising substances, strong acids, alkaline metals.

10.6. Hazardous decomposition products.

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

SECTION 11. Toxicological information.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects.

PROPYLENE GLYCOL MONO METHYL ETHER The main way of entry is the skin, whereas the respiratory way is less important owing to the low vapour tension of the product. Concentrations above 100 ppm cause eye irritation, nose and oropharynx. At 1000 ppm disturbance in the equilibrium and severe eye irritation is observed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and ocular irritation on direct contact. No chronic effects have been reported in man.

ACUTE TOXICITY.

LC50 (Inhalation - vapours) of the mixture: Not classified (no significant component).

LC50 (Inhalation - mists / powders) of the mixture: Not classified (no significant component).

LD50 (Oral) of the mixture: >2000 mg/kg

LD50 (Dermal) of the mixture: Not classified (no significant component).

CITRIC ACID

LD50 (Oral). 3000 mg/kg Rat

DIPROPYLENE GLYCOL MONOMETHYL ETHER

LD50 (Oral). 2410 mg/kg mouse male (fasted)

LD50 (Dermal). 2764 mg/kg rabbit

LC50 (Inhalation). > 29 ppm/1h 2h rat



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PROPYLENE GLYCOL MONO METHYL ETHER

LD50 (Oral).4016 mg/kg Rat male/female

LD50 (Dermal).13000 mg/kg Rabbit

LC50 (Inhalation).54,6 mg/l/4h Rat

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL, CHLORIDES

LD50 (Oral).795 mg/kg ratto

LD50 (Dermal).> 5000 mg/kg calculated

SKIN CORROSION / IRRITATION.

Does not meet the classification criteria for this hazard class.

SERIOUS EYE DAMAGE / IRRITATION.

Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITISATION.

Does not meet the classification criteria for this hazard class.

GERM CELL MUTAGENICITY.

Does not meet the classification criteria for this hazard class.

CARCINOGENICITY.

Does not meet the classification criteria for this hazard class.

REPRODUCTIVE TOXICITY.

Does not meet the classification criteria for this hazard class.

STOT - SINGLE EXPOSURE.

Does not meet the classification criteria for this hazard class.

STOT - REPEATED EXPOSURE.

Does not meet the classification criteria for this hazard class.

ASPIRATION HAZARD.

Does not meet the classification criteria for this hazard class.

SECTION 12. Ecological information.

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity.DIPROPYLENE GLYCOL
MONOMETHYL ETHER

LC50 - for Fish.	1300 mg/l/96h Lepomis macrochirus
EC50 - for Crustacea.	> 100 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants.	> 100 mg/l/72h Scenedesmus subspicatus

PROPYLENE GLYCOL
MONO METHYL ETHER

LC50 - for Fish.	20800 mg/l/96h Pimephales promelas
EC50 - for Crustacea.	23300 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants.	> 500 mg/l/72h Scenedesmus subspicatus

QUATERNARY AMMONIUM
COMPOUNDS, BENZYL-C8-
18-ALKYLDIMETHYL,
CHLORIDES

LC50 - for Fish.	0,085 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea.	0,016 mg/l/48h daphnia magna
EC50 - for Algae / Aquatic Plants.	0,025 mg/l/72h selenastrum capricornutum

12.2. Persistence and degradability.



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CITRIC ACID

Solubility in water. > 10000 mg/l

Rapidly biodegradable.

DIPROPYLENE GLYCOL
MONOMETHYL ETHER

Solubility in water. 1000 - 10000 mg/l

Rapidly biodegradable.

85% 28d

PROPYLENE GLYCOL
MONO METHYL ETHER

Solubility in water. 1000 - 10000 mg/l

Rapidly biodegradable.

96% 28d

QUATERNARY AMMONIUM
COMPOUNDS, BENZYL-C8-
18-ALKYLDIMETHYL,
CHLORIDES

Rapidly biodegradable.

Alcohols C12-14,
ethoxylated

Rapidly biodegradable.

95% 14d

12.3. Bioaccumulative potential.

CITRIC ACID

Partition coefficient: n-
octanol/water. -1,72

BCF. 3,2

DIPROPYLENE GLYCOL
MONOMETHYL ETHERPartition coefficient: n-
octanol/water. 0,056PROPYLENE GLYCOL
MONO METHYL ETHERPartition coefficient: n-
octanol/water. < 1**12.4. Mobility in soil.**

Information not available.

**12.5. Results of PBT and vPvB assessment.**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.**13.1. Waste treatment methods.**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number.

Not applicable.

14.2. UN proper shipping name.

Not applicable.

14.3. Transport hazard class(es).

Not applicable.

14.4. Packing group.

Not applicable.

**14.5. Environmental hazards.**

Not applicable.

14.6. Special precautions for user.

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code.

Information not relevant.

SECTION 15. Regulatory information.**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Seveso Category - Directive 2012/18/EC:

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product

Point. 3

Substances in Candidate List (Art. 59 REACH).

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.



Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Regulation (EC) No. 648/2004.

Ingredients according to Regulation (EC) No. 648/2004.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

15.2. Chemical safety assessment.

A chemical safety assessment has been performed for the following contained substances.

PROPYLENE GLYCOL MONO METHYL ETHER

DIPROPYLENE GLYCOL MONOMETHYL ETHER

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 3	Flammable liquid, category 3
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008



- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

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Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

02.