Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Code:	**PFS140**
Product name	**MAGIC 123**

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

Intended use	**White paste with strong multifunctional cleaning action**

1.3. Details of the supplier of the safety data sheet

Name	**FABER CHIMICA S.R.L.**
Full address	**Via Ceresani 10**
District and Country	**60044 Campo D'Olmo - Fabriano (ANCONA)** **ITALIA** **Tel. 0732627178** **Fax 073222395**
e-mail address of the competent person responsible for the Safety Data Sheet	**quality@fabersurfacecare.com**

1.4. Emergency telephone number

For urgent inquiries refer to

Belgium
BELGISCH ANTIGIFCENTRUM
Bel gratis 070 245 245
8002 5500, vanuit Groothertogdom Luxemburg
We beantwoorden je oproep, elke dag, 24 op 24 uur
Croatia
Ksaverska cesta 2, 10000 Zagreb
T 01 2348 342
Voditeljica:dr. sc. Željka Babić
Denmark
Bispebjerg Hospital
Bispebjerg Bakke 23E, opgang 20 C
2400 Kbh NV
T 8212 1212
Estonia
Poison information telephone number (Mürgistusteabekeskuse number) is nationally 16662, calling from abroad (+372) 7943 794
Hotline 16662 of the Poisoning Information Centre is active 24/7.
National poison information centre service in Estonia is accessible at www.16662.ee
There are no limitations to users
Iceland
Eitrunarmiðstöð
543 2222
112
543 1000
Ireland
National Poisons Information Centre
Beaumont Hospital, Beaumont, Dublin 9., Ireland
+353 1 809 2166
E-mail chemicalsinfo @ beaumont.ie
Latvia
Valsts ugunsdzēsības un glābšanas dienests, phone number: 112. Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs, Hipokrāta 2, Rīga, Latvija, LV-1038, phone number +371 67042473. Service is available 24 hours.
Lithuania
APNUODYJIMŲ CENTRAS
+370 (85) 2362052
Malta

Malta Competition and Consumer Affairs Authority (MCCAA)
Mizzi House, National Road, Blata l-Bajda HMR9010, Malta
Phone +356 2395 2000
E-mail info@mccaa.org.mt
Norway
Kontakt Giftinformasjonen hvis uhellet er ute
22 59 13 00
Døgnåpen telefon.
Sweden
112 – ask for Poisons Information" (in Swedish this will be: "112 – begär Giftinformation")

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 (EU) Regulation 2020/878.
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.
Skin sensitization, category 1A	H317	May cause an allergic skin reaction.

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.
H317	May cause an allergic skin reaction.

Precautionary statements:

P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
P280	Wear protective gloves / eye protection / face protection.
P501	Dispose of the product/container in collection points for hazardous or special waste
P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains: 2-Metil-2h-Iizotiazol-3-ons (MIT)

2.3. Other hazards

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

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification		x = Conc. %	Classification (EC) 1272/2008 (CLP)
Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts			
INDEX		2,5 ≤ x < 3	**Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412**
EC	*270-115-0*		**LD50 Oral: 1080 mg/kg**
CAS	*68411-30-3*		
REACH Reg.	*01-2119489428-22*		
3-IDO-2-Propynyl buttylcarbamate			
INDEX		0 < x < 0,05	**Acute Tox. 3 H331, Acute Tox. 4 H302, STOT RE 1 H372, Eye Dam. 1 H318, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1**
EC	*259-627-5*		**LD50 Oral: >1056 mg/kg, LC50 Inhalation mists/powders: >0,67 g/m3**
CAS	*55406-53-6*		
REACH Reg.	*01-2120762115-60*		
2-Metil-2h-lizotiazol-3-ons (MIT)			
INDEX	*613-326-00-9*	0,0015 ≤ x < 0,06	**Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1 H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1, EUH071**
EC	*220-239-6*		**Skin Sens. 1A H317: ≥ 0,0015%**
CAS	*2682-20-4*		**LD50 Oral: 120 mg/kg bw, LD50 Dermal: 242 mg/kg bw, ATE Inhalation mists/powders: 0,051 mg/l**
TOLUENE			
INDEX	*601-021-00-3*	0 < x < 0,05	**Flam. Liq. 2 H225, Repr. 2 H361d, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 3 H412**
EC	*203-625-9*		
CAS	*108-88-3*		
REACH Reg.	*01-2119471310-51-xxxx*		

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

SECTION 4. First aid measures

4.1. Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document.
In case of more severe symptoms, ask for immediate medical aid.
EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.
SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.
INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.
INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

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

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

SECTION 4. First aid measures ... / >>

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

If skin irritation or rash occurs: Get medical advice / attention.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
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. 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

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

SECTION 7. Handling and storage ... / >>

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

CZE	Česká Republika	NAŘÍZENÍ VLÁDY ze dne 10. května 2021, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58
ESP	España	Límites de exposición profesional para agentes químicos en España 2023
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit
PRT	Portugal	Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos
SWE	Sverige	Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1)
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2023

TOLUENE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	CZE	192	50,112	384	100,224	SKIN
AGW	DEU	190	50	760	200	SKIN
MAK	DEU	190	50	380	100	SKIN
VLA	ESP	192	50	384	100	SKIN
VLEP	FRA	76,8	20	384	100	SKIN
AK	HUN	192	50	384	100	SKIN
VLEP	ITA	192	50			SKIN
TGG	NLD	150		384		
VLE	PRT	192	50	384	100	SKIN
NGV/KGV	SWE	192	50	384	100	SKIN
WEL	GBR	191	50	384	100	SKIN
OEL	EU	192	50	384	100	SKIN
TLV-ACGIH			20			

SECTION 8. Exposure controls/personal protection ... / >>

3-IDO-2-Propynyl buttylcarbamate								
Predicted no-effect concentration - PNEC								
Normal value in fresh water						1	mg/l	
Normal value in marine water						0	mg/l	
Normal value for fresh water sediment						17	mg/kg/d	
Normal value for marine water sediment						2	mg/kg/d	
Normal value of STP microorganisms						44	mg/l	
Normal value for the terrestrial compartment						5	mg/kg/d	
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation							1.16 mg/m3	0.023 mg/m3
Skin						2 mg/kg bw/d		

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts								
Predicted no-effect concentration - PNEC								
Normal value in fresh water						0,268	mg/l	
Normal value in marine water						0,027	mg/l	
Normal value for fresh water sediment						8,1	mg/kg dwt	
Normal value for marine water sediment						6,8	mg/kg dwt	
Normal value of STP microorganisms						3,43	mg/l	
Normal value for the terrestrial compartment						35	mg/kg dwt	
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,425 mg/kg bw/d				
Inhalation				1,5 mg/m3				6 mg/m3
Skin				42,5 mg/kg bw/d				85 mg/kg bw/d

2-Metil-2h-lizotiazol-3-ons (MIT)								
Predicted no-effect concentration - PNEC								
Normal value in fresh water						3,39	µg/L	
Normal value in marine water						3,39	µg/L	
Normal value for fresh water sediment						NPI		
Normal value for marine water sediment						NPI		
Normal value for water, intermittent release						3,39	µg/L	
Normal value of STP microorganisms						230	µg/L	
Normal value for the terrestrial compartment						47,1	µg/kg dw	
Normal value for the atmosphere						NPI		
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		53 µg/kg bw/d		27 µg/kg bw/d				
Inhalation	43 µg/m³	NPI	21 µg/m³	NPI	43 µg/m³	NPI	21 µg/m³	NPI
Skin		NPI	NPI	NPI		NPI	NPI	NPI

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 ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

SECTION 8. Exposure controls/personal protection ... / >>

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.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
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.
The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.
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.
Protect your hands with gloves of the following type:
Material: Natural rubber (NR) - latex
Thickness: 0,4 mm
Breakthrough time: 240 min
SKIN PROTECTION
Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.
EYE PROTECTION
Wear airtight protective goggles (see standard EN ISO 16321).
RESPIRATORY PROTECTION
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. 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).
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.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties		Value		Information
Appearance		pasty		
Colour		white		
Odour		characteristic		
Melting point / freezing point	<	0	°C	
Initial boiling point		not available		Substance:Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts Initial boiling point: 444 °C
Flammability		not flammable		
Lower explosive limit		not available		Reason for missing data:Non -explosive product
Upper explosive limit		not available		Reason for missing data:Non -explosive product
Flash point	>	60	°C	
Auto-ignition temperature		not available		Reason for missing data:The product is not self -employed
Decomposition temperature		not available		Reason for missing data:irrelevant
pH		5-6		
Kinematic viscosity		not available		
Solubility		partially soluble in water		
Partition coefficient: n-octanol/water		not available		Reason for missing data:The product is a mixture
Vapour pressure		not available		Substance:3-IDO-2-Propynyl buttylcarbamate Vapour pressure: 0,005 Pa
Density and/or relative density		1,1-1,3	kg/l	
Relative vapour density		not available		
Particle characteristics		not applicable		

9.2. Other information

SECTION 9. Physical and chemical properties ... / >>

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU)	0
VOC (volatile carbon)	0

SECTION 10. Stability and reactivity

10.1. Reactivity

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

TOLUENE
Avoid exposure to: light.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

TOLUENE
Risk of explosion on contact with: fuming sulphuric acid,nitric acid,silver perchlorate,nitrogen dioxide,non-metal halogenates,acetic acid,organic nitrocompounds.May form explosive mixtures with: air.May react dangerously with: strong oxidising agents,strong acids,sulphur.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

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 hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

TOLUENE
WORKERS: inhalation; contact with the skin.
POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

TOLUENE
Toxic effect on the central and peripheral nervous system with encephalopathy and polyneuritis; irritating for the skin, conjunctiva, cornea and respiratory apparatus.

SECTION 11. Toxicological information ... / >>

Interactive effects

TOLUENE
Certain drugs and other industrial products can interfere with the metabolism of the toluene.

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	>2000 mg/kg
ATE (Dermal) of the mixture:	Not classified (no significant component)

TOLUENE

LD50 (Dermal):	12124 mg/kg Rabbit
LD50 (Oral):	5580 mg/kg Rat
LC50 (Inhalation vapours):	28,1 mg/l/4h Rat

3-IDO-2-Propynyl buttylcarbamate

LD50 (Dermal):	> 2000 mg/kg coniglio
LD50 (Oral):	> 1056 mg/kg ratto femmina
LC50 (Inhalation mists/powders):	> 0,67 g/m3

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts

LD50 (Dermal):	> 2000 mg/kg rat - OECD 402 Acute Dermal Toxicity
LD50 (Oral):	1080 mg/kg rat - OECD 401 Acute Oral Toxicity

2-Metil-2h-Iizotiazol-3-ons (MIT)

LD50 (Dermal):	242 mg/kg bw rat - adverse effect observed - Category 3 based on GHS criteria
LD50 (Oral):	120 mg/kg bw rat - adverse effect observed - Category 3 based on GHS criteria
LC50 (Inhalation mists/powders):	340 µg/m³ rat - adverse effect observed - category 2 based on GHS criteria

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

Sensitising for the skin

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TOLUENE
Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 1999).
The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

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

SECTION 11. Toxicological information ... / >>

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

3-IDO-2-Propynyl buttylcarbamate

LC50 - for Fish	> 67 mg/l/96h Rainbow Trout
EC50 - for Algae / Aquatic Plants	> 22 mg/l/72h Scenedesmus subspicatus
Chronic NOEC for Fish	> 84 mg/l Pimephales promelas
Chronic NOEC for Crustacea	499 mg/l
Chronic NOEC for Algae / Aquatic Plants	> 46 mg/l Scenedesmus subspicatus

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts

LC50 - for Fish	1,67 mg/l/96h Lepomis macrochirus
EC50 - for Crustacea	2,9 mg/l/48h Dafnia - OECD 202 Daphnia sp. Acute Immobilization Test
Chronic NOEC for Fish	0,23 mg/l Oncorhynchus mykiss - 72 days

2-Metil-2h-lizotiazol-3-ons (MIT)

LC50 - for Fish	4,77 mg/l/96h
EC50 - for Crustacea	1,6 mg/l/48h
EC50 - for Algae / Aquatic Plants	130 µg/l/72h
Chronic NOEC for Fish	2,1 mg/l 33 days
Chronic NOEC for Crustacea	44,2 µg/L 21 days
Chronic NOEC for Algae / Aquatic Plants	50,3 µg/L 5 days

12.2. Persistence and degradability

TOLUENE

Solubility in water	100 - 1000 mg/l
Rapidly degradable	

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts

Solubility in water	250 g/l 20°C
Rapidly degradable	

2-Metil-2h-lizotiazol-3-ons (MIT)

Solubility in water	489 g/l 20°C

12.3. Bioaccumulative potential

TOLUENE

Partition coefficient: n-octanol/water	2,73
BCF	90

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts

Partition coefficient: n-octanol/water	1,4 Log Kow 23°C

2-Metil-2h-lizotiazol-3-ons (MIT)

Partition coefficient: n-octanol/water	< 0,486 Log Kow 20°C

12.4. Mobility in soil

Information not available

SECTION 12. Ecological information ... / >>

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 ≥ than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. 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.
The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.
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 or ID 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. Maritime transport in bulk according to IMO instruments

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/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
Product
Point 3 - 40
Contained substance
Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicable

Substances in Candidate List (Art. 59 REACH)
On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)
None

Substances subject to exportation reporting pursuant to Regulation (EU) 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.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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

Flam. Liq. 2	Flammable liquid, category 2
Repr. 2	Reproductive toxicity, category 2
Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1	Skin corrosion, category 1
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1A	Skin sensitization, category 1A
Skin Sens. 1B	Skin sensitization, category 1B
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
H225	Highly flammable liquid and vapour.
H361d	Suspected of damaging the unborn child.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.

SECTION 16. Other information ... / >>

H331	Toxic if inhaled.
H302	Harmful if swallowed.
H372	Causes damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.
EUH071	Corrosive to the respiratory tract.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 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: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 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: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY
1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)

SECTION 16. Other information ... / >>

17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for the user:
The information contained in this card is based on the knowledge available with us on the date of the latest version. The user must make sure of the suitability and completeness of information in relation to the specific use of the product.
This document should not be interpreted as a guarantee of any specific properties of the product.
Since the use of the product does not fall under our direct control, it is the obligation of the user to observe the laws and provisions in force on hygiene and safety under one's responsibility. There are no responsibilities for improper uses.
Provide adequate training to personnel in charge of the use of chemicals.

Methods of calculating classification
Physical Chemical dangers: the product classification was derived from the criteria established by the CLP Regulation attached I Part 2. The methods of evaluation of the chemical physical properties are reported in section 9.
Health dangers: the classification of the product is based on the calculation methods referred to in Annex I of CLP Part 3, unless otherwise indicated in section 11.
Dangers for the environment: the classification of the product is based on the calculation methods referred to in Annex I of the CLP part 4, unless otherwise indicated in section 12.

Changes to previous review:
The following sections were modified:
02 / 03 / 04 / 06 / 07 / 08 / 09 / 11 / 12 / 16.