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		Data Sheet REACH - Regulation (EU)	2020/878
SECTION 1. Ident	ification of the substance/mix	ture and of the co	mpany/undertaking
1.1. Product identifier			
Code: Name	0030180 POWER DET	-	
Chemical name and syno	-		
1.2. Relevant identified	uses of the substance or mixture and us	es advised against	
Sector of use	SU22 – Professional uses SU21 –	Consumer uses	
Product category	PC35 – Washing and cleaning pro	oducts (including solvent	-based products)
Description/Usage	Acid cleaner, descaler and degreas	er for ceramic materials	
1.3. Information about the	ne supplier of the safety data sheet		
Business name	MARBEC SR VIA CROCE		
Address Locality and State		ALE (PISTOIA)	
	tel. +039 057	3/959848	
	fax		
e-mail of the competent p	erson, info@marbe	c it	
	Intoginarbe	5.IL	
1.4. Emergency telepho For urgent information ple			
MARBEC srl			
	n 2pm-6pm or +393348578502 on Control Centers active 24 hours a da	v	
National Poisons Informat	on Service (Birmingham Unit) +44 844 8		
RCSS Maugeri Foundation Pavia 0039-0382-24444	1-		
CAV Ospedali Riuniti –			
Bergamo 0039-800-883300 CAV Niguarda Ca` Granda	Hospital –		
/ilan 0039-02-66101029			
CAV Careggi Hospital - Flo CAV Gemelli Polyclinic –	rence 0039-055-7947819		
Rome 0039-06-3054343			
CAV Policlinico Umberto I Rome 0039-06 49978000	-		
CAV Cardarelli Hospital -			
Naples 0039-081 5453333 CAV Verona Integrated Ho	spital Company - Verona 800011858		
_			
SECTION 2. Haza	rd Idontification		

SECTION 2. Hazard Identification

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				,
2.1. Substance or mixtur	e classification			
The product therefore requ	ires a safety data sheet compli	iant with the provisions	(EC) 1272/2008 (CLP) (and subsequed) of Regulation (EU) 2020/878. ported in the sections. 11 and 12 of th	
Hazard classification and i				
Skin corrosion, category Serious eye damage, ca		H314 H318	It causes serious skin burns Causes serious eye damag	
2.2. Label elements				
Hazard labeling pursuant t	o Regulation (EC) 1272/2008 ((CLP) and subsequent a	amendments and adjustments.	
Hazard pictograms:				
Warnings:	Danger			
Hazard Statements:				
H314	It causes serious skin burns	s and serious eye injuri	es.	
Precautionary advice:				
P260 P305+P351+P338	Do not breathe dust / fumes		s / aerosols. ughly for several minutes. Remove an	v contact longes if it is easy to do
P303+P361+P353	so. Continue rinsing.		nediately take off all contaminated clo	5
	shower].			anng. Rande your okan for take a
P280 P301+P330+P331	Wear protective gloves/clot IF SWALLOWED: rinse mo			
Contains:	Alcohols, C11-13-branched	l, ethoxylated (>2.5 mo	I EO)	
2.3 Ingredients complian	t with Regulation (EC) No. 64	8/2004		
Aliphatic hydrocarbons <1	%, non-ionic surfactants 5% <c·< td=""><td><15%, anionic surfacta</td><td>nts <5%</td><td></td></c·<>	<15%, anionic surfacta	nts <5%	
2.3. Other dangers				
Based on available data, t	ne product does not contain PB	T or vPvB substances	in percentages ≥ 0.1%.	
The product does not cont	ain substances with properties	that interfere with the e	endocrine system in concentrations \geq (D.1%.

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			I
SECTION 3. Compositio	n/information	on ingredients	
3.2. Mixtures			
ontains:			
Identification	x = Conc. %	Classification 1272/2008 (CLP)	
DIPROPYLENE GLYCOL MONOMETHYL ETHER CAS 34590-94-8	9 ≤ x < 30	Substance with a community workplace exposure limit.	
CE 252-104-2			
INDEX -			
REACH Reg. 01-2119450011-60- xxxx			
Dimethyl-2-methyl glutarate			
CAS 14035-94-0	3 ≤ x < 9		
THERE IS			
INDEX -			
REACH Reg. 01-0000017895-56			
1-METHYL-2-METHOXYETHYL ACETATE CAS 108-65-6	3 ≤ x < 9	Flam. Liq. 3 H226	
CE 203-603-9			
INDEX 607-195-00-7			
REACH Reg. 01-2119475791-29- xxxx SULFAMMIC ACID			
CAS 5329-14-6	3 ≤ x < 9	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Aquatic Chronic 3 H	412
CE 226-218-8			
INDEX 016-026-00-0			
REACH Reg. 01-2119488633-28-			
Alcohols, C11-13-branched, ethoxylated (>2.5 mol EO) CAS 68439-54-3	3≤x<9	Acute Tox. 4 H302, Eye Dam. 1 H318	
THERE IS	-	LD50 Oral: >300 mg/kg	
INDEX -			
BENZYL ALCOHOL			
CAS 100-51-6	3 ≤ x < 9	Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319	9
CE 202-859-9	0 = X + 0	LD50 Oral: 1620 mg/kg, ATE Vapor inhalation: 11 mg/l	
INDEX 603-057-00-5			
REACH Reg. 01-2119492630-38-			
XXX SULFONIC ACIDS, C14-17-SEC- ALKANES, SODIUM SALTS CAS 97489-15-1	1 ≤ x < 3	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315	, Aquatic Chronic 3
CE 307-055-2		H412 LD50 Oral: >1000 mg/kg	
0 - 000 L		or or an a root my/ng	

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REACH Reg. 01-2119489924-20

Alcohols, branched C12-15 and linear, ethoxylated propoxylated CAS 120313-48-6

xylated 1 ≤ x < 3

Eye Irrit. 2 H319, Skin Irrit. 2 H315

THERE IS

INDEX -

REACH Reg. (REF.:N° 02-2119548508-30-0000

The complete text of the hazard indications (H) is shown in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids wide. Consult a doctor if the problem persists.

SKIN: Take off contaminated clothing. Shower immediately. Wash the contaminated garments before reusing them.

INHALATION: Move the subject to fresh air. If breathing stops, give artificial respiration. Call a doctor immediately.

INGESTION: Call a doctor immediately. Do not induce vomiting. Do not administer anything that is not expressly authorized by your doctor.

4.2. Main symptoms and effects, both acute and delayed

There is no specific information on the symptoms and effects caused by the product.

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

Information not available

SECTION 5. Fire fighting measures

5.1. Fire fighting

SUITABLE EXTINGUISHING MEANS Choose the most appropriate extinguishing media for the specific situation.

UNSUITABLE EXTINGUISHING MEANS No one in particular.

5.2. Special hazards arising from the substance or mixture

DANGERS DUE TO EXPOSURE IN THE EVENT OF FIRE The product is not flammable or combustible.

5.3. Recommendations for fire fighters

EQUIPMENT

Normal fire-fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire fighter boots (HO A29 or A30).

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SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger.

Wear appropriate protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for workers and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface waters and groundwater.

6.3. Methods and materials for containment and cleanup

Suck up the spilled product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material. Provide sufficient ventilation of the area affected by the leak. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is reported in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for Safe Handling

Handle the product after consulting all other sections of this safety data sheet. Avoid dispersing the product into the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Keep containers closed, in a well-ventilated place, away from direct sunlight. Store containers away from any incompatible materials, checking section 10.

Storage class TRGS 510 (Germany): 12

7.3. Specific end uses

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Normative requirements:

DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe. Mitteilung 56
EXP BETWEEN ITA PRT	Spain France Italy Portugal	Professional exposure limits for chemical agents in Spain 2021 Value limits of professional exposure to chemical agents in France. ED 984 - INRS Legislative Decree 9 April 2008, n.81 Decree-Lei n.º 1/2021 of 6 January, indicative professional exposure limit values for chemical agents. Legislative Decree no. 35/2020 of 13 July, protection of workers against risks linked to exposure during

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GBR EU	United Kingdom OEL EU		Directive (EU) 2 Directive (EU) 2	kplace exposure 019/1831; Direc 017/164; Directi	ic agents imits (Fourth Editi tive (EU) 2019/130; ve 2009/161/EU; Di ; Directive 91/322/E	Directive (EU) 2 rective 2006/15/			
DIPROPYLI Threshold I	ENE GLYCOL MC	NOMETHYL I	ETHER						
Guy		State	TWA/8h		STEL/15min		Notes /		
			mg/m3	ppm	mg/m3	ppm	Observa	tions	
AGW		DEU	310	50	310	50			
ЛАК		DEU	310	50	310	50			
/LA		EXP	308	50			SKIN		
/LEP		BETWEEN	308	50			SKIN		
/LEP		ITA	308	50			SKIN		
/LE		PRT	308	50			SKIN		
VEL		GBR	308	50			SKIN		
DEL		EU	308	50			SKIN		
ULFAMMI									
	effect concentration	on the environme	ent - PNEC		0.049		<i>a</i>		
	ue in fresh water				0.048	mg/			
Reference value in sea water				0.0048	mg/				
Reference value for sediments in fresh water				0.173	5	/kg/d			
Reference value for sediments in sea water Reference value for the terrestrial compartment				0.00638	-	/kg/d /kg/d			
	rived no effect le	•	MEL		0.00030	Effects on	kg/u		
Exhibition Stre	et	consumers Acute rooms	Acute systemic	Chronic	Chronic	workers Acute rooms	Acute	Chronic	Chronic
Dral			-	premises	systemic 1.06 mg/kg		systemic	premises	systemic
Dermal					bw/d 5 mg/kg bw/d				10 mg/kg bw/d
	2-METHOXYETH imit value	YL ACETATE							
Buy		State	TWA/8h		STEL/15min		Notes / Observa	tions	
			mg/m3	ppm	mg/m3	ppm			
GW		DEU	270	50	270	50			
IAK		DEU	270	50	270	50			
′LA		EXP	275	50	550	100	SKIN		
'LEP		BETWEEN	275	50	550	100	SKIN		
LEP		ITA	275	50	550	100	SKIN		
/LE		PRT	275	50	550	100	SKIN		
VEL		GBR	274	50	548	100	SKIN		
DEL		EU	275	50	550	100	SKIN		
	effect concentration	on the environme	ent - PNEC						
redicted no-									

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Reference value in sea wate	r			0.0635	mg/	/I		
Reference value for sedimer	ts in fresh water			3.29	mg/	/kg		
Reference value for sedimer	its in sea water			0.329	mg/	/kg		
Reference value for water, ir	termittent release			6.35	mg/	/I		
Reference value for STP mic		100	mg/	/I				
Reference value for the terre	strial compartment			0.29	mg/	/kg		
Health - Derived no effe	ect level - DNEL / D Effects on consumers	MEL			Effects on workers			
Exhibition Street	Acute rooms	Acute systemic	Chronic	Chronic	Acute rooms	Acute	Chronic	Chronic
Oral			premises	systemic 1.67 mg/kg/d		systemic	premises	systemic
Inhalation				33 mg/m3				275 mg/m3
Dermal				54.8 mg/kg/d				153.5 mg/kg/d
BENZYL ALCOHOL Threshold limit value								
Guy	State	TWA/8h		STEL/15min		Notes / Observat	ions	
		mg/m3	ppm	mg/m3	ppm			
AGW Predicted no-effect concentr	DEU ation on the environme	22 ent - PNEC	5	44	10	SKIN	11	
Reference value in fresh wat				1	mg/	/I		
Reference value in sea wate	r			0.1	mg/	/I		
Reference value for sedimer	its in fresh water			5.27	mg/	/kg		
Reference value for sedimer	nts in sea water			0.527	mg/	/kg		
Reference value for water, ir	termittent release			2,3	mg/	/I		
Reference value for STP mic	croorganisms			39	mg/	/I		
Reference value for the terre	strial compartment			0.45	mg/	/kg/d		
Health - Derived no effe	ect level - DNEL / D Effects on consumers	MEL			Effects on workers			
Exhibition Street	Acute rooms	Acute systemic	Chronic premises	Chronic systemic	Acute rooms	Acute systemic	Chronic premises	Chronic systemic
Oral		20 mg/kg bw/d		4 mg/kg bw/d				
Inhalation		27 mg/m3		5.4 mg/m3		110 mg/m3		22 mg/m3
Dermal		20 mg/kg bw/d		4 mg/kg bw/d		40 mg/kg bw/d		8 mg/kg bw/d
SULFONIC ACIDS, C14 Predicted no-effect concentr			S					
Reference value in fresh wat				0.04	mg/	/1		
Reference value in sea wate				0.004	mg/			
Reference value for sedimer				0.94	mg/			
Reference value for water, ir	termittent release			0.06	mg,	-		
Reference value for STP mid				600	mg/			
Reference value for the terre	-			9.4	mg/	/kg		
Health - Derived no effe	ct level - DNEL / D Effects on consumers	MEL			Effects on workers			
					WUINCIS			

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Oral			VND	7.1 mg/kg				
				bw/d				
Inhalation			VND	12.34 mg/m3			VND	35 mg/m3
Dermal	2.8 mg/cm2	VND	2.8 mg/cm2	3.57 mg/kg	2.8 mg/cm2	VND	2.8 mg/cm2	5 mg/kg bw/d

Legend:

(C) = CEILING ; INALAB = Inhalable Fraction; RESPIR = Respirable Fraction; TORAC = Thoracic Fraction.

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

8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local extraction.

When choosing personal protective equipment, ask your chemical suppliers for advice if necessary.

Personal protective equipment must bear the CE marking which certifies their compliance with current regulations.

Provide emergency shower with eyecup.

HAND PROTECTION

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

For the final choice of work glove material, the following must be considered: compatibility, degradation, breaking time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is unpredictable. The gloves have a wear time that depends on the duration and method of use.

SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional category III use (ref. Regulation 2016/425 and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

It is advisable to wear a hooded visor or protective visor combined with airtight glasses (ref. standard EN 166).

RESPIRATORY PROTECTION

Not necessary for normal use. If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is recommended to wear a mask with a type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If gases or vapors of a different nature and/or gases or vapors with particles (aerosols, fumes, mists, etc.) are present, combined filters must be provided.

The use of respiratory protection means is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values taken into consideration. However, the protection offered by masks is limited.

In the event that the substance considered is odorless or its olfactory threshold is higher than the relevant TLV-TWA and in case of emergency, wear an open-circuit compressed air breathing apparatus (ref. standard EN 137) or a self-contained breathing apparatus external air (ref. EN 138 standard). For the correct choice of respiratory protection device, refer to the EN 529 standard.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical	and chemical properties	
9.1. Information on basic phy	sical and chemical properties	
Property	Value	Information
Physical State	liquid	
Color	colorless to amber	

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Odor	characteristic
Melting or freezing point	Not applicable
Initial boiling point	Not applicable
Boiling range	Not applicable
Flammability	incombustible
Lower explosive limit	Not applicable
Upper explosive limit	Not applicable
Flash point	> 60 °C
Auto-ignition temperature	Not applicable
рН	1-2
Kinematic viscosity	Not available
Solubility	partially soluble in water
Partition coefficient: n-octanol/water	Not available
Vapor pressure	Not available
Density and/or Relative density	1.05 kg/l
Relative vapor density	Not available
Characteristics of the particles	Not applicable

9.2. More information

9.2.1. Information regarding physical hazard classes

Information not available

 9.2.2. Other safety features

 VOC (Directive 2010/75/EU)
 28.57% - 300.00 g/litre

 Explosive properties
 not explosive

 Oxidizing properties
 non-oxidizing

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular dangers of reaction with other substances under normal conditions of use.

10.2. Chemical stability

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

10.3. Possibility of dangerous reactions

Under normal conditions of use and storage, dangerous reactions are not foreseeable.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions regarding chemical products.

10.5. Incompatible materials

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SULFAMMIC ACID

Incompatible with: chlorine, nitric acid, nitrates, sodium nitrite, potassium nitrite.

BENZYL ALCOHOL

Incompatible with: sulfuric acid, oxidizing substances, aluminium.

10.6. Hazardous decomposition products

SULFAMMIC ACID

May develop: sulfur oxides, nitrogen oxides.

SECTION 11. Toxicological information

11.1. Information on the hazard classes defined in Regulation (EC) no. 1272/2008

Metabolism, kinetics, mechanism of action and other information

1-METHYL-2-METHOXYETHYL ACETATE The main route of entry is the skin, while the respiratory route is less important, given the low vapor pressure of the product.

Information on likely routes of exposure

1-METHYL-2-METHOXYETHYL ACETATE WORKERS: inhalation; contact with the skin.

Immediate, delayed and chronic effects resulting from short- and long-term exposures

1-METHYL-2-METHOXYETHYL ACETATE

Above 100 ppm there is irritation of the ocular, nasal and oropharyngeal mucous membranes. At 1000 ppm, balance disturbances and severe eye irritation are noted. The clinical and biological tests carried out on the exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation upon direct contact. No chronic effects on humans are reported (INCR, 2010).

Interactive effects

Information not available

ACUTE TOXICITY

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ATE (Inhalation - vapours) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:	> 20 mg/l >2000 mg/kg Not classified (no relevant component)
imethyl-2-methyl glutarate	
LD50 (Dermal): LC50 (Vapour inhalation):	> 2000 mg/kg rat > 5.6 mg/l/4h rat
ULFAMMIC ACID	
LD50 (Dermal): LD50 (Oral):	> 2000 mg/kg rat 3160 mg/kg Rat
METHYL-2-METHOXYETHYL ACETATE	
LD50 (Dermal): LD50 (Oral):	> 5000 mg/kg Rat 8530 mg/kg Rat
thoxylated aliphatic alcohol 7 moles	
LD50 (Dermal): LD50 (Oral):	> 2000 mg/kg rabbit > 300 mg/kg rat
ENZYL ALCOHOL	
LD50 (Dermal): LD50 (Oral): LC50 (Vapour inhalation): STA (Vapour inhalation):	2000 mg/kg Rabbit 1620 mg/kg Rat > 4178 mg/l/4h Rat 11 mg/l estimated from table 3.1.2 of Annex I of CLP (data used to calculate the estimate of the acute toxicity of the mixture)
ULFONIC ACIDS, C14-17-SEC-ALKANES, SODIUM SALT	TS
LD50 (Dermal): LD50 (Oral):	2000 mg/kg mouse > 1000 mg/kg rat
	ated
cohols, branched C12-15 and linear, ethoxylated propoxyla	
cohols, branched C12-15 and linear, ethoxylated propoxyla LD50 (Oral):	> 2000 mg/kg rat
	> 2000 mg/kg rat

SERIOUS EYE DAMAGE / EYE IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITIZATION

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It does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available

Skin sensitization

Information not available

MUTAGENICITY ON GERM CELLS

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

Harmful effects on sexual function and fertility

Information not available

Harmful effects on the development of offspring

Information not available

Effects on or through breastfeeding

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Information not available

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

It does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

DANGER IN CASE OF ASPIRATION

It does not meet the classification criteria for this hazard class

11.2. Information about other hazards

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

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SECTION 12. Ecological information

12.1. Toxicity

1-METHYL-2-METHOXYETHYL ACETATE

Assessment of aquatic toxicity: the product is most likely not harmful to aquatic organisms. The correct introduction of low concentrations into a biological purification plant should not compromise the degradation activity of the activated sludge. Acute aquatic toxicity: based on acute aquatic toxicity values; not classified. Chronic aquatic toxicity: Not classified, based on ready biodegradability and low acute toxicity.

SULFAMMIC ACID	
LC50 - Pisces	703 mg/l/96h Pimephales promelas
EC50 - Crustaceans	71.6 mg/l/48h daphnia magna
1-METHYL-2-METHOXYETHYL ACETATE	
LC50 - Pisces	134 mg/l/96h oncorhynchus mykiss
EC50 - Crustaceans	> 500 mg/l/48h daphnia magna
EC50 - Algae / Aquatic Plants	> 1000 mg/l/72h selenastrum capricornutum
Chronic NOEC Fish	47.5 mg/l oryzias latipes
Chronic NOEC Crustaceans	> 100 mg/l daphnia magna
BENZYL ALCOHOL	
LC50 - Pisces	460 mg/l/96h Pimephales promelas
EC50 - Crustaceans	230 mg/l/48h daphnia magna
EC50 - Algae / Aquatic Plants	770 mg/l/72h Pseudokircheneriella subcapitata
Ethoxylated aliphatic alcohol 7 moles	
LC50 - Pisces	5 mg/l/96h
EC50 - Crustaceans	5 mg/l/48h
EC50 - Algae / Aquatic Plants	5 mg/l/72h
Chronic NOEC Algae / Aquatic Plants	10 mg/kg OECD 208 method
Dimethyl-2-methyl glutarate	
LC50 - Pisces	56 mg/l/96h Oncorhynchus mykiss
EC50 - Crustaceans	> 100 mg/l/48h Daphnia magna
EC50 - Algae / Aquatic Plants	> 60 mg/l/72h Pseudokirchneriella subcapitata
Alcohols, branched C12-15 and linear,	
ethoxylated propoxylated	
LC50 - Pisces	5 mg/l/96h
SULFONIC ACIDS, C14-17-SEC-ALKANES,	
SODIUM SALTS LC50 - Pisces	5 mg/l/96h Brachydanio rerio
EC50 - Crustaceans	9.81 mg/l/48h Daphnia magna
Chronic NOEC Fish	0.85 mg/l Oncorhynchus mykiss
Chronic NOEC Crustaceans	> 61 mg/l Scenedesmus subspicatus

12.2. Persistence and degradability

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SULFAMMIC ACID		
Solubility in water	> 10000 mg/l	
Degradability: data not available		
DIPROPYLENE GLYCOL MONOMETHYL ETHER		
Solubility in water	1000 - 10000 mg/l	
Rapidly degradable		
1-METHYL-2-METHOXYETHYL ACETATE		
Solubility in water	> 10000 mg/l	
Rapidly degradable		
BENZYL ALCOHOL		
Rapidly degradable		
Ethoxylated aliphatic alcohol 7 moles		
Rapidly degradable		
Dimethyl-2-methyl glutarate		
Rapidly degradable		
Alcohols, branched C12-15 and linear, ethoxylated propoxylated		
Rapidly degradable		
SULFONIC ACIDS, C14-17-SEC-ALKANES, SODIUM SALTS Rapidly degradable		
12.3. Bioaccumulative potential		
DIPROPYLENE GLYCOL MONOMETHYL		
ETHER Partition coefficient: n-octanol/water	0.0043	
1-METHYL-2-METHOXYETHYL ACETATE Partition coefficient: n-octanol/water	1.2	
Farmon coefficient: n-octanol/water	1,2	
BENZYL ALCOHOL		
Partition coefficient: n-octanol/water	1.1	
12.4. Mobility in soil		
Information not available		

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12.5. Results of PBT and vPvB assessment

Based on available data, the product does not contain PBT or vPvB substances in percentages $\geq 0.1\%$.

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

Information not available

SECTION 13. Disposal Considerations

13.1. Waste treatment methods

Reuse if possible. Product residues are to be considered hazardous special waste. The dangerousness of waste that partly contains this product must be assessed based on current legislative provisions.

Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14. Transportation Information

The product is not to be considered dangerous pursuant to the provisions in force regarding the transport of dangerous goods by road (ADR), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN number or ID number

Not applicable

14.2. Official UN shipping name

Not applicable

14.3. Transport hazard classes

Not applicable

14.4. Packing group

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Not applicable

14.5. Dangers for the environment

Not applicable

14.6. Special precautions for users

Not applicable

14.7. Maritime transport in bulk in accordance with IMO acts

Information not relevant

SECTION 15. Regulatory information

15.1. Health, safety and environmental laws and regulations specific for the substance or mixture

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or substances contained according to Annex XVII Regulation (EC) 1907/2006

Product Point
Substances contained
Point

Regulation (EU) 2019/1148 - relating to the placing on the market and use of explosives precursors

3 - 40

75

Not applicable

Substances in Candidate List (Art. 59 REACH)

Based on available data, the product does not contain SVHC substances in percentages $\geq 0.1\%$.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification requirements Regulation (EU) 649/2012:

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None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Workers exposed to this chemical agent dangerous to health must be subjected to health surveillance carried out in accordance with the provisions of the art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk to the safety and health of the worker has been assessed as irrelevant, in accordance with the provisions of art. 224 paragraph 2.

15.2. Chemical safety assessment

A chemical safety assessment has been developed for the following substances contained in the mixture: Sulphamic acid, 1-methyl-2-methoxyethyl acetate, Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, Benzyl alcohol, Sulfonic acids, C14-17-sec-alkanes, Sodium salts.

SECTION 16. Other information

Text of the hazard statements (H) mentioned in sections 2-3 of the sheet:

Flam. Liq. 3	Flammable liquid, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1	Skin corrosion, category 1
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.
H302	Harmful if ingested.
H332	Harmful if inhaled.
H314	It causes serious skin burns and serious eye injuries.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H412	Harmful to aquatic organisms with long lasting effects.

LEGEND:

- ADR: European Agreement for the transport of dangerous goods by road

- CAS: Chemical Abstract Service Number
- CE: Identification number in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived no-effect level
- EC50: Concentration that gives effect to 50% of the population subject to testing
- EmS: Emergency Schedule

- GHS: Globally Harmonized System for the Classification and Labeling of Chemical Products

- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population subject to testing
- IMDG: International Maritime Code for the Transport of Dangerous Goods
- IMO: International Maritime Organization

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- INDEX: Identification number in Annex VI of CLP LC50: Lethal concentration 50% LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predictable no-effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- STA: Acute Toxicity Estimate
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA: Weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY:

- 1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
- 2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
- Regulation (EU) 2020/878 (Annex II of the REACH Regulation)
- 4. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
- 5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
- 6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
- 7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
- 8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
- 9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
- 10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
- 11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
- 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 (EU) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
- The Merck Index. 10th Edition Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- NI Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA Agency website
- Database of SDS models of chemical substances Ministry of Health and Istituto Superiore di Sanità

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. We do not assume responsibility for improper use.

Provide adequate training to personnel assigned to the use of chemical products. CLASSIFICATION CALCULATION METHODS

Chemical-physical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2. The methods of evaluation of the chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on the calculation methods in Annex I of CLP Part 3, unless otherwise indicated in section 11,

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.

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Changes compared to the previous revision Changes have been made to the following sections: 02 / 03 / 11 / 12.