

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

CR-8

Version 1 Date of compilation: 13/02/2019
Version 29 (replaces version 28) Revision date: 23/03/2021



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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: CR-8
UFI: H921-MKMU-J003-411N

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

Liquid crystallizer
Products for a maintenance stone surfaces
Uses advised against:
Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: Abrasivos Aguila, S.A
Address: Riera de Palau, 30
City: Sant Andreu de la Barca
Province: Barcelona
Telephone: 93 653 30 58
Fax: 93 682 10 40
E-mail: contact@abrasivosaguila.com
Web: www.abrasivosaguila.com

1.4 Emergency telephone number:

93 653 30 58 (Only available during office hours; Monday-Friday; 08:00-13:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EU) No 1272/2008:
Acute Tox. 4 : Harmful if swallowed.
Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.
Eye Dam. 1 : Causes serious eye damage.
Skin Corr. 1 : Causes severe skin burns and eye damage.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:
Pictograms:



Signal Word:

Danger

H statements:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H412	Harmful to aquatic life with long lasting effects.

P statements:

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash thoroughly after handling.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.

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P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

Contains:

magnesium hexafluorosilicate

2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	specific concentration limit
CAS No: 18972-56-0 Registration No: 01-2119980031-47-0000	magnesium hexafluorosilicate	>= 25% < 50 %	Acute Tox. 3, H301 - Acute Tox. 4, H332 - Aquatic Chronic 3, H412 - Eye Dam. 1, H318	-
CAS No: 8002-74-2 EC No: 232-315-6 Registration No: 01-2119488076-30-XXXX	[1] Paraffin waxes and Hydrocarbon waxes	>= 2,5% < 10%	-	-
Index No: 015-011-00-6 CAS No: 7664-38-2 EC No: 231-633-2 Registration No: 01-2119485924-24-XXXX	[1] phosphoric acid . %, orthophosphoric acid. %	< 2,5%	-	Skin Corr. 1B, H314: C ≥ 25 % Skin Irrit. 2, H315: 10 % ≤ C < 25 % Eye Irrit. 2, H319: 10 % ≤ C < 25 %
Index No: 607-002-00-6 CAS No: 64-19-7 EC No: 200-580-7 Registration No: 01-2119475328-30-XXXX	[1] acetic acid	< 2,5%	-	Skin Corr. 1A, H314: C ≥ 90 % Skin Corr. 1B, H314: 25 % ≤ C < 90 % Skin Irrit. 2, H315: 10 % ≤ C < 25 % Eye Irrit. 2, H319: 10 % ≤ C < 25 %
CAS No: 8001-54-5 Registration No: 01-2119970550-39	Quaternary ammonium compounds, alkylbenzyl dimethyl, chlorides	< 2,5%	Acute Tox. 4, H302 - Aquatic Acute 1, H400 (M=10) - Aquatic Chronic 2, H411 (M=1) - Eye Irrit. 2, H319 - Skin Irrit. 2, H315	-
CAS No: 68439-49-6 EC No: 500-212-8	Alcohols, C16-18, ethoxylated	< 2,5%	Acute Tox. 4, H302 - Eye Irrit. 2, H319	-

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Index No: 603-085-00-8 CAS No: 52-51-7 EC No: 200-143-0 Registration No: 01-2119980938-15-XXXX	bronopol (INN), 2-bromo-2-nitropropane 1,3-diol	< 2,5%	Acute Tox. 4, H302+H312 - Aquatic Acute 1, H400 (M=10) - Eye Irrit. 2, H319	-
CAS No: 68439-70-3 EC No: 270-414-6 Registration No: 01-2119970968-14	aminas, C12-16-alkildimetil	< 2,5%	Acute Tox. 4, H302 - Aquatic Acute 1, H400 (M=100) - Aquatic Chronic 2, H411 (M=1) - Eye Irrit. 2, H319 - Skin Irrit. 2, H315	-

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.
[1] Substance with a Community workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Corrosive Product, contact with eyes or skin can cause burns; ingestion or inhalation can cause internal damage, if this occurs immediate medical assistance is required.

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance. Contact with eyes may cause irreversible damage.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Do not induce vomiting. If the person vomits, clear the respiratory tract.

SECTION 5: FIREFIGHTING MEASURES.

The product does not present any particular risk in case of fire.

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

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5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Pavement crystallization

Specific treatment for natural stone

Liquid crystallizers, powders or pastes for crystallization and maintenance of stone surfaces

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

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Name	CAS No.	Country	Limit value	ppm	mg/m ³
Paraffin waxes and Hydrocarbon waxes	8002-74-2	United Kingdom [1]	Eight hours		2
			Short term		6
		Éire [2]	Eight hours		2
			Short term		6
phosphoric acid . %, orthophosphoric acid. %	7664-38-2	European Union [3]	Eight hours		1
			Short term		2
		United Kingdom [1]	Eight hours		1
			Short term		2
		Éire [2]	Eight hours		1
			Short term		2
		United States [4] (Cal/OSHA)	Eight hours		1
			Short term		3
		United States [5] (NIOSH)	Eight hours		1
			Short term		3
		United States [6] (OSHA)	Eight hours		1
			Short term		
acetic acid	64-19-7	European Union [3]	Eight hours	10	25
			Short term		
		United States [4] (Cal/OSHA)	Eight hours	10	
			Short term	15 (Ceiling) 40	
		United States [5] (NIOSH)	Eight hours	10	
			Short term	15	
		United States [6] (OSHA)	Eight hours	10	25
			Short term		

[1] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

[2] According Code of Practice for the Safety, Health and Welfare at Work (Chemicals Agents) Regulations adopted by Health and Safety Authority (HSA).

[3] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

[4] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[5] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.

[6] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
magnesium hexafluorosilicate CAS No: 18972-56-0 EC No:	DNEL (Workers)	Inhalation, Long-term, Local effects	2,5 (mg/m ³)
phosphoric acid . %, orthophosphoric	DNEL (Workers)	Inhalation, Long-term, Local effects	1 (mg/m ³)

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acid. % CAS No: 7664-38-2 EC No: 231-633-2	DNEL (General population)	Inhalation, Long-term, Local effects	0,73 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Local effects	2 (mg/m ³)
acetic acid CAS No: 64-19-7 EC No: 200-580-7	DNEL (Workers)	Inhalation, Long-term, Local effects	25 (mg/m ³)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
magnesium hexafluorosilicate CAS No: 18972-56-0 EC No:	agua dulce	0,9 (mg/l)
	agua salada	0,9 (mg/l)
	Planta de tratamiento de aguas residuales	51 (mg/kg wwt)
	Soil	11 (mg/kg soil dw)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %
Uses:	Liquid crystallizer Products for a maintenance stone surfaces
Breathing protection:	
PPE:	Filter mask for protection against gases and particles.
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.
CEN standards:	EN 136, EN 140, EN 405
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.
Observations:	Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.
Filter Type needed:	A2
Hand protection:	
PPE:	Non-disposable protective gloves against chemicals.
Characteristics:	«CE» marking, category III. Check the list of chemicals for which the glove has been tested.
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420
Maintenance:	A schedule for the periodical replacement of gloves should be established in order to guarantee their replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous than not using gloves, since the pollutant can gradually accumulate in the glove's material.
Observations:	They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could reduce their strength.

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Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480	Material thickness (mm):	0,35
Eye protection:					
PPE:	Protective goggles with built-in frame.				
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.				
CEN standards:	EN 165, EN 166, EN 167, EN 168				
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.				
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.				
Skin protection:					
PPE:	Chemical protective clothing				
Characteristics:	«CE» marking, category III. Clothing should fit properly. The level of protection must be set according to a test parameter called BT (Breakthrough Time), which indicates how long it takes for the chemical to pass through the material.				
CEN standards:	EN 464, EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034				
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.				
Observations:	The protective clothing's design should facilitate correct positioning, staying in place without moving for the period of use expected, bearing in mind environmental factors as well as any movement or position the user might adopt while carrying out the activity.				
PPE:	Anti-static safety footwear against chemicals.				
Characteristics:	«CE» marking, category III. Check the list of chemicals against which the footwear is resistant.				
CEN standards:	EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO 20345				
Maintenance:	For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is observed.				
Observations:	The footwear should be cleaned regularly and dried when damp, although it should not be placed too close to a source of heat in order to avoid any sharp changes in temperature.				

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance:.....Liquid with characteristic odour and colour
Colour: pink
Odour:N.A./N.A.
Odour threshold:.....N.A./N.A.
pH: 1 (100%)
Melting point:N.A./N.A.
Boiling Point:80 °C
Flash point: 175 °C
Evaporation rate:N.A./N.A.
Inflammability (solid, gas):N.A./N.A.
Lower Explosive Limit: .N.A./N.A.
Upper Explosive Limit: .N.A./N.A.
Vapour pressure:23,027
Vapour density:N.A./N.A.
Relative density:..... 1,198

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Solubility:.....N.A./N.A.
Liposolubility: N.A./N.A.
Hydrosolubility: N.A./N.A.
Partition coefficient (n-octanol/water): N.A./N.A.
Auto-ignition temperature: N.A./N.A.
Decomposition temperature:.. N.A./N.A.
Viscosity: N.A./N.A.
Explosive properties: ... N.A./N.A.
Oxidizing properties:..... N.A./N.A.
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

9.2 Other information.

Dropping point: N.A./N.A.
Blink: N.A./N.A.
Kinematic viscosity: N.A./N.A.
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Unstable in contact with:
- Bases.

10.3 Possibility of hazardous reactions.

Neutralization can occur on contact with bases.

10.4 Conditions to avoid.

- Avoid contact with bases.

10.5 Incompatible materials.

Avoid the following materials:
- Bases.

10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:
- Corrosive vapors or gases.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects.

Splatters in the eyes can cause irritation and reversible damage.

Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
magnesium hexafluorosilicate	Oral	LC50	peces de agua dulce	100 100 mg/l

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CAS No: 18972-56-0 EC No:	Dermal	
	Inhalation	
phosphoric acid . %, orthophosphoric acid. % CAS No: 7664-38-2 EC No: 231-633-2	Oral	LD50 Rat 1530 mg/kg bw [1] [1] BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets. Vol. 17-4/1970
	Dermal	LD50 Rabbit 2740 mg/kg bw [1] [1] BIOFAX Industrial Bio-Test Laboratories, Inc., Data Sheets. Vol. 17-4/1970
	Inhalation	LC50 mouse 25.5 mg/m ³ air [1] [1] Toxicological Characteristics of Phosphoric Acid and Some of Its Chromium Salts Used as Binding Agents in the Production of Refractory Materials, 1983.
acetic acid CAS No: 64-19-7 EC No: 200-580-7	Oral	LD50 rat 3310 mg/kg bw [1] [1] Woodard G, Lange SW, Nelson KW and Calvery HO. J Ind Hyg Toxicol, Vol 23, PP 78-82. 1941. The acute oral toxicity of acetic, chloroacetic, dichloroacetic and trichloroacetic acids
	Dermal	
	Inhalation	LC50 Rat (male) > 8.5 < 9.9 mg/L air (analytical) (4 h) [1] LC50 Rat (female) 11.4 mg/L air (analytical) (4 h) [2] [1] study report, 1980. OECD Guideline 403 (Acute Inhalation Toxicity) [2] study report, 1980. OECD Guideline 403 (Acute Inhalation Toxicity)
bronopol (INN), 2-bromo-2-nitropropane1,3-diol CAS No: 52-51-7 EC No: 200-143-0	Oral	LD50 Rat 180 mg/kg bw [1] [1] Pesticide Index, Frear, E.H., ed., State College, PA, College Science Pub., 1969 Vol. 5, Pg. 30, 1976
	Dermal	LD50 Rat 1600 mg/kg bw
	Inhalation	

a) acute toxicity;
Product classified:
Acute toxicity (Oral), Category 4: Harmful if swallowed.

Acute Toxicity Estimate (ATE):
Mixtures:
ATE (Oral) = 388 mg/kg

b) skin corrosion/irritation;
Based on available data, the classification criteria are not met.

c) serious eye damage/irritation;
Product classified:
Serious eye damage, Category 1: Causes serious eye damage.

d) respiratory or skin sensitisation;
Not conclusive data for classification.

e) germ cell mutagenicity;

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Not conclusive data for classification.

f) carcinogenicity;
Not conclusive data for classification.

g) reproductive toxicity;
Not conclusive data for classification.

h) STOT-single exposure;
Not conclusive data for classification.

i) STOT-repeated exposure;
Not conclusive data for classification.

j) aspiration hazard;
Not conclusive data for classification.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
magnesium hexafluorosilicate CAS No: 18972-56-0 EC No:	Fish	LC50 EC10/LC1 0	peces de agua dulce peces de agua dulce	100 mg/l 4 mg/l [1]
	Aquatic invertebrates	EC50/LC5 0 EC10/LC1 0	microorganismos acuáticos microorganismos acuáticos	151 mg/l 62.5 mg/l
	Aquatic plants	EC50/LC5 0 EC10/LC1 0	Algae de agua dulce Algae de agua dulce	27.4 mg/l 21.6 mg/l
phosphoric acid . %, orthophosphoric acid. % CAS No: 7664-38-2 EC No: 231-633-2	Fish	LC50	Oryzias latipes	75.1 mg/L (96 h) [1]
	Aquatic invertebrates	EC50	Daphnia magna	>100 mg/L (48 h) [1]
	Aquatic plants	EC50	Desmodemus subspicatus	>100 mg/L (72 h) [1]
acetic acid	Fish	EC50	Oncorhynchus mykiss	> 1000 mg/L (96 h) [1]

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CAS No: 64-19-7 EC No: 200-580-7	Aquatic invertebrates	EC50 Daphnia magna > 300.82 mg/L (48 h) [1] <i>[1] study report, 1990. OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</i>
	Aquatic plants	EC50 Skeletonema costatum > 1000 mg/L (72 h) [1] <i>[1] study report, 2005. ISO 10253 (Water quality - Marine Algal Growth Inhibition Test with Skeletonema costatum and Phaeodactylum tricornutum)</i>
bronopol (INN), 2-bromo-2-nitropropane1,3-diol CAS No: 52-51-7 EC No: 200-143-0	Fish	LC50 Fish 39 mg/l (96 h) [1] <i>[1] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C</i>
	Aquatic invertebrates	EC50 Crustacean 1,6 mg/l (48 h) [1] <i>[1] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C</i>
	Aquatic plants	
aminas, C12-16-alkyldimethyl CAS No: 68439-70-3 EC No: 270-414-6	Fish	CL50 PESCADO 1.13 mg/l (96h) [1] <i>[1] OECD 203 FISH ACUTE TOXICITY TEST</i>
	Aquatic invertebrates	EC50 Daphnia 0.926 mg/l (48h) [1] <i>[1] Immobilization Test</i>
	Aquatic plants	EC50 Algae 0.00523 mg/l (72h)

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.
No information is available on the degradability of the substances present.No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
acetic acid CAS No: 64-19-7 EC No: 200-580-7	-0,17	-	-	Very low

12.4 Mobility in soil.

No information is available about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

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12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description:

ADR: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

14.6 Special precautions for user.

Transportation is not dangerous.

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

Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC)

VOC content (p/p): 0,379 %

VOC content: 4,54 g/l

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

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The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Classification codes:

Acute Tox. 3 : Acute toxicity (Oral), Category 3
Acute Tox. 4 : Acute toxicity (Dermal), Category 4
Acute Tox. 4 : Acute toxicity (Inhalation), Category 4
Acute Tox. 4 : Acute toxicity (Oral), Category 4
Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1
Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1
Aquatic Chronic 3 : Chronic effect to the aquatic environment, Category 3
Eye Dam. 1 : Serious eye damage, Category 1
Flam. Liq. 3 : Flammable liquid, Category 3
Met. Corr. 1 : Corrosive to metals, Category 1
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3
Skin Corr. 1 : Skin Corrosive, Category 1
Skin Corr. 1A : Skin Corrosive, Category 1A
Skin Corr. 1B : Skin Corrosive, Category 1B
Skin Irrit. 2 : Skin irritant, Category 2

Changes regarding to the previous version:

- Change of the name of the product (SECTION 1.1).
- Change of the uses of the product (SECTION 1.2).
- Removal of precautionary statements/hazard statements/pictograms/signal word (SECTION 2.2).
- Addition of precautionary statements/hazard statements/pictograms/signal word (SECTION 2.2).
- Modification in the values of the physical and chemical properties (SECTION 9).
- Modification of the information of the stability and reactivity conditions (SECTION 10.2).
- Modification of the information of the stability and reactivity conditions (SECTION 10.3).
- Modification of the information of the stability and reactivity conditions (SECTION 10.4).
- Modification of the information of the stability and reactivity conditions (SECTION 10.5).
- Modification of the information of the stability and reactivity conditions (SECTION 10.6).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Information on the TSCA Inventory (Toxic Substances Control Act) USA:

CAS No	Name	State
18972-56-0	magnesium hexafluorosilicate	
8002-74-2	Paraffin waxes and Hydrocarbon waxes	Registered13
7664-38-2	phosphoric acid . %, orthophosphoric acid. %	Registered13
64-19-7	acetic acid	Registered13
8001-54-5	Quaternary ammonium compounds, alkylbenzylidimethyl, chlorides	

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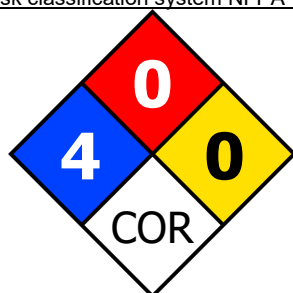
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68439-49-6	Alcohols, C16-18, ethoxylated	Registered14
52-51-7	bronopol (INN), 2-bromo-2-nitropropane1,3-diol	Registered14
68439-70-3	aminas, C12-16-alkildimetil	Registered14

Risk classification system NFPA 704:



Health hazard: 4 (Deadly)
Flammability: 0 (Will not burn)
Reactivity: 0 (Stable)
Specific hazard: COR (Corrosive)

Abbreviations and acronyms used:

BCF: Bioconcentration factor.
CEN: European Committee for Standardization.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
Log Pow: Logarithm of the partition octanol-water.
NOEC: No observed effect concentration.
PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.