

SAFETY DATA SHEET

(in accordance with Regulation (EU) N° 453/2010)

BPTM 2680 – COUNTERTOP CLEANER 500 ML Q-ACTION

Version: 1

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

1.1 Product identifier.

Product Name: COUNTERTOP CLEANER 500 ML Q-ACTION
Product Code: BPTM 2680

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

Cleans, protects and shines stone and quartz countertops.

Uses advised against: Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Produced for Cosentino S.A.
by CIF B 46660502

Cosentino S.A.
Ctra. A-334, Km 59
04850 Cantoria (Almería)
info consumer: +34 902444175
www.silestone.com

1.4 Emergency telephone number: (+34) 96 139 07 92 (Only available during office hours) (*)
(*) Monday to Friday 08.30h – 14.00h and 15.30h – 18.30h.

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the mixture.

In accordance with Regulation (EU) N° 1272/2008:
Eye Dam. 1 : Causes serious eye damage.

2.2 Label elements.

Labelling in accordance with Regulation (EU) N° 1272/2008:

Pictograms:



Signal Word:

Danger

H statements:

H318 Causes serious eye damage.

P statements:

P102 Keep out of reach of children.

P262 Do not get in eyes, on skin or on clothing.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Do not ingest.

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EUH statements:

EUH208 Contains Glutaral (Glutaraldehyde). May produce an allergic reaction.

Contains: Alcohols, C13-15, ethoxylated, 2,2'-iminodiethanol, diethanolamine and Fatty acids, C12-18, compds. with N,N-bis(hydroxyethyl) coco amides and diethanolamine.

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 Hazardous Substances Directive 67/548/EEC or Regulation (EC) N° 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) N° 1272/2008	
			Classification	Specific concentration limit
Index N°: 603-117-00-0 CAS N°: 67-63-0 EC N°: 200-661-7 Registration N°: 01-2119457558-25-XXXX	[1] Isopropyl alcohol	>= 5% < 10%	Eye Irrit. 2, H319 Flam. Liq. 2, H225 STOT SE 3, H336	-
CAS N°: 68002-82-4 EC N°: 268-096-9	Fatty acids, C16-18 and C18-unsatd., compds. with diethanolamine	>= 1% < 5%	Eye Irrit. 2, H319 Skin Irrit. 2, H315	-
CAS N°: 67785-13-1 EC N°: 267-061-5	Fatty acids, C12-18, compds. with N, N-bis(hydroxyethyl)coco amides and diethanolamine	>= 1% < 5%	Eye Dam. 1, H318 Skin Irrit. 2, H315	-
Index N°: 603-071-00-1 CAS N°: 111-42-2 EC N°: 203-868-0 Registration N°: 01-2119488930-28-XXXX	[1] 2,2'-iminodiethanol, diethanolamine	>= 1% < 5%	Acute Tox. 4 *, H302 Eye Dam. 1, H318 Skin Irrit. 2, H315 STOT RE 2 *, H373 **	-
Index N°: 011-005-00-2 CAS N°: 497-19-8 N. CE: 207-838-8 Registration N°: 01-2119485498-19-XXXX	Sodium carbonate	>= 1% < 5%	Eye Irrit. 2, H319	-
Index N°: 603-053-00-3 CAS N°: 107-41-5 EC N°: 203-489-0 Registration N°: 01-2119539582-35-XXXX	[1] Hexylene glycol	>= 0,1% < 1,0%	Eye Irrit. 2, H319 Skin Irrit. 2, H315	-
CAS N°: 157627-86-6 N. CE: 500-337-8	Alcohols, C13-15, ethoxylated	>= 1% < 5%	Acute Tox. 4, H302 Eye Dam. 1, H318	-
Index N°: 603-064-00-3 CAS N°: 107-98-2 EC N°: 203-539-1 Registration N°: 01-2119457435-35-XXXX	[1] Methoxyisopropanol	>= 1% < 5%	Flam. Liq. 3, H226 STOT SE 3, H336	-
CAS N°: 85408-49-7 EC N°: 287-011-6	Amines, C12-16-alkyldimethyl, N-oxides	>= 0,1% < 1,0%	Aquatic Acute 1, H400 Eye Dam. 1, H318 Skin Irrit. 2, H315	-

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CAS N°: 68989-03-7	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts)	$\geq 0,1\% < 1,0\%$	Aquatic Chronic 2, H411 Eye Irrit. 2, H319 Skin Irrit. 2, H315	-
Index N°: 605-022-00-X CAS N°: 111-30-8 EC N°: 203-856-5 Registration N°: 01-211945549-26-XXXX	[1] Glutaral (Glutaraldehyde)	$\geq 0,1\% < 1,0\%$	Acute Tox. 3 *, H331 Acute Tox. 3 *, H301 Aquatic Acute 1, H400 Resp. Sens. 1, H334 Skin Corr. 1B, H314 Skin Sens. 1, H317	Skin Corr. 1B, H314: C $\geq 10\%$ Skin Irrit. 2, H315: 0,5 % $\leq C < 10\%$ Eye Dam. 1, H318: 2 % $\leq C < 10\%$ Eye Irrit. 2, H319: 0,5 % $\leq C < 2\%$ STOT SE, H335: C $\geq 0,5\%$ Skin Sens. 1, H317: C $\geq 0,5\%$

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

*, ** See Regulation (EC) N° 1272/2008, Annex VI, section 1.2.

[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.

If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact.

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

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.

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate. Can cause allergic reactions.

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.

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SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

5.1 Extinguishing media.

Recommended extinguishing methods.

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

5.2 Special hazards arising from the 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.

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.

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 gloves.

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.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

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. Never use pressure to empty the containers. They are not pressure-resistant containers.

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

Follow legislation on occupational health and safety.

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 35°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-authorised 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). -

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

Name	CAS N°	Country	Limit value	ppm	mg/m ³
Isopropyl alcohol	67-63-0	United Kingdom [1]	Eight hours	400	999
			Short term	500	1250
Methoxyisopropanol	107-98-2	European Union [2]	Eight hours	100 (skin)	375 (skin)
			Short term	150 (skin)	568 (skin)
		United Kingdom [1]	Eight hours	100	375
			Short term	150	560
Hexylene glycol	107-41-5	United Kingdom [1]	Eight hours	25	123
			Short term	25	123
Glutaral (Glutaraldehyde)	111-30-8	United Kingdom [1]	Eight hours	0,05	0,2
			Short term	0,05	0,2

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

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
Isopropyl alcohol CAS N°: 67-63-0 EC N°: 200-661-7	DNEL (Workers)	Inhalation, Long-term, Systemic effects	500 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	89 (mg/m ³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	888 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	319 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term, Systemic effects	26 (mg/kg bw/day)
Methoxyisopropanol CAS N°: 107-98-2 EC N°: 203-539-1	DNEL (Workers)	Inhalation, Long-term, Systemic effects	369 (mg/m ³)
2,2'-iminodiethanol, diethanolamine CAS N°: 111-42-2 EC N°: 203-868-0	DNEL (Workers)	Inhalation, Long-term, Local effects	1 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Local effects	0,25 (mg/m ³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	0,13 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	0,07 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term, Systemic effects	0,06 (mg/kg bw/day)
Hexylene glycol CAS N°: 107-41-5 EC N°: 203-489-0	DNEL (Workers)	Inhalation, Long-term, Local effects	49 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	14 (mg/m ³)
Glutaral (Glutaraldehyde) CAS N°: 111-30-8 EC N°: 203-856-5	DNEL (Workers)	Inhalation, Long-term, Local effects	0,25 (mg/m ³)

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

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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
Isopropyl alcohol CAS N°: 67-63-0 EC N°: 200-661-7	Aqua (freshwater)	140,9 (mg/L)
	Aqua (marine water)	140,9 (mg/L)
	Aqua (intermittent releases)	140,9 (mg/L)
	Sediment (freshwater)	552 (mg/kg sediment dw)
	Sediment (marine water)	552 (mg/kg sediment dw)
	Soil	28 (mg/kg soil dw)
	PNEC STP	2251 (mg/L)
2,2'-iminodiethanol, diethanolamine CAS N°: 111-42-2 EC N°: 203-868-0	PNEC oral (Hazard for predators)	160 (mg/kg food)
	Aqua (freshwater)	0,0022 (mg/L)
	Aqua (marine water)	0,00022 (mg/L)
	Aqua (intermittent releases)	0,022 (mg/L)
	PNEC STP	100 (mg/L)
	Sediment (freshwater)	0,012 (mg/kg sediment dw)
	Sediment (marine water)	0,0012 (mg/kg sediment dw)
	Soil	0,0011 (mg/kg soil dw)
	Oral (Hazard for predators)	1,04 (mg/kg food)

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:	Cleans, protects and shines stone and quartz countertops
Breathing protection:	
If the recommended technical measures are observed, no individual protection equipment is necessary.	
Hand protection:	
If the product is handled correctly, no individual protection equipment is necessary.	
Eye protection:	
If the product is handled correctly, no individual protection equipment is necessary.	
Skin protection:	
PPE:	Work footwear.
Characteristics:	«CE» marking, category II.
CEN standards:	EN ISO 13287, EN 20347
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Clear liquid

Colour: Yellow

Odour: Characteristic of the perfume

Odour threshold: N.A./N.A.

pH: 10,0±1,0

Melting point: N.A./N.A.

Boiling Point: N.A./N.A.

Flash point: N.A./N.A.

Evaporation rate: N.A./N.A.

Inflammability (solid, gas): Not flammable

Lower Explosive Limit: N.A./N.A.

Upper Explosive Limit: N.A./N.A.

Vapour pressure: N.A./N.A.

Vapour density: N.A./N.A.

Relative density: 1,030±0,010 g/cm³

Solubility: N.A./N.A.

Liposolubility: N.A./N.A.

Hydrosolubility: Soluble

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: Not explosive

Oxidizing properties: Not comburent

N.A./N.A.= Not Available/Not Applicable due to the nature of the product

9.2. Other information. -

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:

- Acids.

10.3 Possibility of hazardous reactions.

Neutralization can occur on contact with acids.

10.4 Conditions to avoid.

- Avoid contact with acids.

10.5 Incompatible materials.

Avoid the following materials:

- Acids.

10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

- Corrosive vapors or gases.

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SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Toxicological information about the substances present in the composition.

Name		Acute toxicity				
		Type	Test	Kind	Value	
Isopropyl alcohol	CAS N°: 67-63-0	EC N°: 200-661-7	Oral	LD50	Rat	5050 (mg/kg bw) [1]
				LD50	Rat	5840 (mg/kg bw) [2]
				[1] Gigena i Sanitariya. For English translation, see HYSAAV. Vol. 43(1), Pg. 8, 1978 [2] FURTHER EXPERIENCE WITH THE RANGE FINDING TEST IN THE INDUSTRIAL TOXICOLOGY LABORATORY, J Ind Hyg Toxicol 30(1):63-68		
			Dermal	LD50	Rabbit	12800 (mg/kg bw) [1]
				LD50	Rabbit	16.4 (mL/kg bw) [2]
				[1] Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 100, 1974 [2] FURTHER EXPERINCE WITH THE RANGE FINDING TEST IN THE INDUSTRIAL TOXICOLOGY LABORATORY, J Ind Hyg Toxicol 30(1):63-68		
CAS N°: 67-63-0	EC N°: 200-661-7		Inhalation	LC50	Rat	>10000 (ppm) [1]
				[1] OECD Guideline 403 (Acute Inhalation Toxicity), study report, 1991		
Sodium carbonate			Oral	LD50	Rat	2800 (mg/kg bw) [1]
				[1] Rinehart, WE, Acute Oral Toxicity Study in Rats, Toxicological Resources Unit, Bio/dynamics Inc., May 15, 1978.		
				Dermal	LD50	Rabbit
		Inhalation	[1] Rinehart, WE, Acute Dermal Toxicity Study in Rabbits, Toxicological Resources Unit, Bio/dynamics Inc., 1978.			
			LC50	Rat	2300 (mg/m³ air) [1]	
			[1] Busch RH, McDonald KE, Briant JK, Morris JE, Graham TM (1983). Pathologic effects in rodents exposed to sodium combustion products. Environmental Research, 31, 138-147.			
2,2'-iminodiethanol, diethanolamine			Oral	LD50	Rat	680 (mg/kg bw) [1]
				LD50	Rat	1600 (mg/kg bw) [2]
				[1] National Technical Information Service. Vol. OTS0516797 [2] Study report, 1966.		
			Dermal	LD50	Rabbit	8380 (mg/kg bw) [1]
				[1] National Technical Information Service. Vol. OTS0516797		
				Inhalation	LC0	Rat
[1] Experimental result, Basic data given.						
CAS N°: 111-42-2	EC N°: 203-868-0					

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Methoxyisopropanol CAS N°: 107-98-2 EC N°: 203-539-1	Oral	LD50 Rat 6100 (mg/kg bw) [1] [1] Rowe VK et al. (1954) Arch Ind Hyg Occup Med, 9, 509-525.
	Dermal	LD50 Rabbit 13000 (mg/kg bw) [1] [1] Rowe VK et al. (1954) Arch Ind Hyg Occup Med, 9, 509-525.
	Inhalation	LC0 Rat 7559 (ppm) [1] [1] Cieszlak, FS and Crissman, JW (1991). Dowanol* PM glycol ether: An acute vapor inhalation study in Fischer 344 rats. Unpublished report of The Dow Chemical Company
Hexylene glycol CAS N°: 107-41-5 EC N°: 203-489-0	Oral	LD50 Rat 2000 (mg/kg bw) [1] LD50 Rabbit 3.2 (mL/kg bw) [2] [1] Gardner, J.R. (1996) Hexylene glycol: Acute oral toxicity study in the rat. Report No. 1439/15-1032 from Corning Hazelton (Europe) to Shell Chemicals Europe Ltd October 1996 Shell Toxicology Report No. 96.1248 [2] Woodard, G.. Johnson, V.D.. Nelson, A.A. (1945) Acute toxicity of 2-methyl-2,4-pentanediol. Fedn Proc Fedn Am Soc Exp Biol 4:142-143.
	Dermal	LD50 Rat 2000 (mg/kg bw) [1] LD50 Rabbit 13.3 (mL/kg bw) [2] [1] Gardner, J.R. (1996) Hexylene glycol: Acute dermal toxicity study in the rat. Report No. 1439/16-1032 from Corning Hazelton (Europe) to Shell Chemicals Europe Ltd, October 1996 Shell Toxicology Report No. 96.1249 [2] Smyth, H.F.. Carpenter, C.P. (1948) Further experience with the range-finding test in the industrial laboratory. J. Ind. Hyg. Tox. 30(1): 63-68
	Inhalation	LC50 Rat 0.31 (mg/L air) [1] [1] British Industrial Biological Research Association (BIBRA) Toxicity profile Hexylene glycol. 1991 Reporting unpublished data from the Mellon Institute (Union Carbide)
Glutaral (Glutaraldehyde) CAS N°: 111-30-8 EC N°: 203-856-5	Oral	LD50 Rat 134 (mg/kg bw) [1] [1] Oyo Yakuri. Pharmacometrics. Vol. 19, Pg. 503, 1980
	Dermal	LD50 Rabbit 594 (mg/kg bw) [1] [1] Union Carbide Data Sheet. Vol. 11/4/1971
	Inhalation	LC50 Rat 0,48 (mg/l/4 h) [1] [1] United States Environmental Protection Agency, Office of Pesticides and Toxic Substances. Vol. 8EHQ-1290-1008

a) acute toxicity;

Not conclusive data for classification.

Acute Toxicity Estimate (ATE). ATE (Oral) = 88432 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;

Based on available data, the classification criteria are not met.

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e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Not conclusive data for classification.

h) STOT-single exposure;

Based on available data, the classification criteria are not met.

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
Isopropyl alcohol CAS N°: 67-63-0 EC N°: 200-661-7	Fish	LC50	Pimephales promelas	10000 (mg/l) [1] [1] The 96 hour LC50 method is described by the US Environmental Protection Agency Committee on Methods for Toxicity Tests with Aquatic Organisms 1975.
	Aquatic invertebrates	LC50	Daphnia magna	>10000 (mg/l) [1] [1] Not GLP, no guideline followed, although it is similar to the most recent OECD 202 with some deviations, which did not affect results. It contains all the information necessary for the evaluation.
	Aquatic plants	Toxicity threshold	Scenedesmus quadricauda	1800 (mg/L) [1] [1] Comparison of the Toxicity Thresholds of Water Pollutants to Bacteria, Algae, and Protozoa in the Cell Multiplication Inhibition Test, Water Research Vol. 14. pp. 231 to 241
Sodium carbonate CAS N°: 497-19-8 EC N°: 207-838-8	Fish	LC50	Lepomis macrochirus	300 (mg/L) [1] [1] Cairns J, Scheier A (1959). The relationship of bluegill sunfish body size to tolerance for some common chemicals. Proc. 13th Ind. Work. Conf., Purdue Univ., Engineering Bull., 43, 242-253.
	Aquatic invertebrates	EC50	Ceriodaphnia sp.	200 (mg/L) [1] [1] Warne MS, Schiffko AD (1999). Toxicity of laundry detergent components to a freshwater cladoceran and their contribution to detergent toxicity. Ecotoxicol. Environ. Saf., 44, 196-206.
	Aquatic plants			

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Methoxyisopropanol CAS N°: 107-98-2 EC N°: 203-539-1	Fish	LC50 Leuciscus idus 4600 (mg/L) [1] [1] BASF AG (1994) ABT Toxikologie, unpublished report 88/290, 25.01.1989
	Aquatic invertebrates	EC50 Daphnia magna 500 (mg/L) [1] [1] BASF AG (1988) unpublished investigation 0082/88.
	Aquatic plants	EC50 Selenastrum capricornutum (Pseudokirchnerella subcapitata) 1000 (mg/L) [1] [1] Dill DC and Milazzo DP (1988) "DOWANOL* PM glycol ether: Evaluation of the toxicity to the green alga, Selenastrum capricornutum printz", unpublished report of the Dow Chemical Company.
2,2'-iminodiethanol, diethanolamine CAS N°: 111-42-2 EC N°: 203-868-0	Fish	LC50 Fish 1480 (mg/l) [1] LC50 Lepomis macrochirus 1850 (mg/L) [2] [1] Mayes, M.A., H.C. Alexander, and D.C. Dill 1983. A Study to Assess the Influence of Age on the Response of Fathead Minnows in Static Acute Toxicity Tests. Bull.Environ.Contam.Toxicol. 31(2):139-147 [2] Toxicity of various refinery materials to fresh water fish, Turnbull H et al. 1954.
	Aquatic invertebrates	LC50 Crustacean 109 (mg/l) [1] EC50 Crustacean 72,9 (mg/l) [2] EC50 Daphnia magna 171 (mg/L) [3] [1] Gersich, F.M., F.A. Blanchard, S.L. Applegath, and C.N. Park 1986. The Precision of Daphnid (Daphnia magna Straus, 1820) Static Acute Toxicity Tests. Arch.Environ.Contam.Toxicol. 15(6):741-749. Cowgill, U.M., I.T. Takahashi, and S.L. Applegath 1985. A Comparison of the Effect of Four Benchmark Chemicals on Daphnia magna and Ceriodaphnia dubia affinis Tested at Two Different Temperatures. Environ.Toxicol.Chem. 4(3):415-422 (Author Communication Used) [2] Warne, M.S.J., and A.D. Schifko 1999. Toxicity of Laundry Detergent Components to a Freshwater Cladoceran and Their Contribution to Detergent Toxicity. Ecotoxicol.Environ.Saf. 44(2):196-206 [3] Ecotoxicological evaluation of diethanolamine using a battery of microbiotests, Zurita et al. 2005.
	Aquatic plants	EC50 Pseudokirchnerella subcapitata 2.2 (mg/l) [1] EC50 Desmodesmus subspicatus 7.8 (mg/l) [2] [1] Experimental result, Scientifically acceptable study on GLP conditions with acceptable restrictions (e.g. test concentrations were not confirmed by chemical analysis). [2] Study report, 1992.

12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

The components of the product comply with the biodegradability criteria of Regulation (EC) N° 648/2004 on detergents.

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12.3 Bioaccumulative potencial.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
Isopropyl alcohol CAS N°: 67-63-0 EC N°: 200-661-7	0,05	-	-	Very low
Methoxyisopropanol N. CAS: 107-98-2 EC No: 203-539-1	-0,44	-	-	Very low
2,2'-iminodiethanol, diethanolamine CAS N°: 111-42-2 EC N°: 203-868-0	-1,43	-	-	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.

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.

Transportation is not dangerous.

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.

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) N° 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances and the Regulation (EC) N° 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals and its subsequent updates.

The product complies with Regulation (EC) N° 648/2004 on detergents.

Contains in accordance with Regulation (EC) N° 648/2004 on detergents:

Non-ionic surfactants	5% - 15%
Cationic surfactants	< 5%
Glutaraldehyde	
Perfume	

Allergens: HEXYL CINNAMAL

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

The product is not affected by Regulation (EU) N° 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) N° 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

There has been no evaluation a chemical safety assessment of the product.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 3 [Oral] : Acute toxicity (Oral), Category 3

Acute Tox. 4 [Oral] : Acute toxicity (Oral), Category 4

Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1

Aquatic Chronic 2 : Chronic effect to the aquatic environment, Category 2

Eye Dam. 1 : Serious eye damage, Category 1

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Eye Irrit. 2 : Eye irritation, Category 2
Flam. Liq. 2 : Flammable liquid, Category 2
Flam. Liq. 3 : Flammable liquid, Category 3
Resp. Sens. 1 : Respiratory sensitiser, Category 1
Skin Corr. 1A : Skin Corrosive, Category 1A
Skin Corr. 1B : Skin Corrosive, Category 1B
Skin Irrit. 2 : Skin irritant, Category 2
Skin Sens. 1 : Skin sensitiser, Category 1
STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

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

Labelling in accordance with Directive 1999/45/EC:

S Phrases:

S2 Keep out of the reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Do not ingest.

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) N° 453/2010.

Regulation (EC) N° 1907/2006.

Regulation (EU) N° 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) N° 453/2010 of 20 May 2010 amending Regulation (EC) N° 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) N° 793/93 and Commission Regulation (EC) N° 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.