



MATERIAL SAFETY DATA SHEET

SUPER CLEAN for Washing Machines

Current review date: 20/01/2020

Current review: 01

Previous review date: 18/10/2018

Previous review: 00

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

1.1 Product identifier

Commercial name : SUPER CLEAN for Washing Machines
Code : 9029799310

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

Consumers use : Washing machine degreaser in powder
Uses advised against: All those not expressly identified on label

1.3 Details of the supplier of the safety data sheet

Supplier of substance/mixture

GBCHEM S.r.l.

Via Santa Eufemia, 8 - 25040 CORTE FRANCA (BS) - ITALIA

Tel. +39 3464232984

e-mail address competent person: gbchemsrl@yahoo.it

Distributed by:

Electrolux Appliance AB - S.t Göransgatan 143, SE-112 17 Stockholm (Sweden)

Tel. +46 8-738 60 00

1.4 Emergency telephone number

Tel: +39 3464232984 (from 08,30 to 12,30 - from 14,00 to 18,00)

See section 16 of MSDS for European Antipoison Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification in accordance with Regulation (EC) No 1272/2008:

The product is dangerous in accordance with Regulation (EC) No 1272/2008 so it's mandatory to draw up a material safety data sheet in accordance with Regulation (EU) 2015/830.



Hazard pictogram(s)	:	GHS05	GHS07
Hazard class and category codes	:	Skin Corr. 1B, Eye Dam. 1, STOT SE3	
Hazard statement codes	:	H314 - Causes severe skin burns and eye damage H318 - Causes serious eye damage H335 - May cause respiratory irritation.	

2.1.2 Other effects

Corrosive product: contact with skin cause severe burns and contact with the eyes causes serious eye damage, such as opacity of the cornea or lesions to the iris. Inhalation may cause respiratory irritation.

2.2 Label elements

2.2.1 Label in accordance with Regulation (EC) No 1272/2008

Hazard pictogram(s)	:	GHS05	GHS07
			

Signal word	:	DANGER
Hazard statement(s)	:	H314 - Causes severe skin burns and eye damage H335 - May cause respiratory irritation.
Suppl. Hazard statement Code(s)	:	Not applicable

Precautionary statement(s) :

General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

Prevention

P261 - Avoid breathing dust

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

Storage

P405 - Store locked up.

Disposal

P501 - Dispose of contents/container in accordance with local/national regulation.

Contains : Sodium metasilicate; Undecanol, ethoxylated, propoxylated; Alcohols, C12-15, ethoxylated.

Ingredients (Reg. 648/2004) : <5% phosphonates, zeolite; >5<15% non-ionic surfactants, oxygen bleach.

2.3 Other hazards

Packaging must have child lock and be fitted with a tactile warning. According to available data the mixture does NOT contain PBT / vPvB substances more than 0.1 in according to Regulation (EC) 1907/2006, Annex XIII

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable



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3.2 Mixtures

See section 16 for full text of Hazard statement(s).

Substance	x = Conc. %	Classification	CAS	EINECS	REACH
Sodium carbonate	≥ 20 x < 30	Eye Irrit. 2, H319	497-19-8	207-838-8	01-2119485498-19
Index number: 011-005-00-2					
Sodium metasilicate pentahydrate	≥ 20 x < 30	Skin Corr. 1B, H314; STOT SE 3, H335	10213-79-3	229-912-9	--
Index number: Not available					
Disodium carbonate, compound with hydrogen peroxide (2:3)	≥ 10 x < 20	Ox. Sol. 3, H272; Acute Tox. 4, H302; Eye Dam. 1, H318	15630-89-4	239-707-6	01-2119457268-30
Index number: Not available					
Alcohols, C12-15, branched and linear, ethoxylated	≥ 3 x < 5	Acute Tox. 4, H302; Eye Dam. 1, H318	106232-83-1	932-186-2	--
Index number: Not available					
Undecanol, branched and linear, ethoxylated, propoxylated (≥2,5 moles EO/PO)	≥ 3 x < 5	Eye Dam. 1, H318	--	940-634-3	--
Index number: Not available					
Tetrasodium (1-hydroxyethylidene) bisphosphonate	≥ 1 x < 3	Met. Corr. 1, H290; Acute Tox. 4, H302; Eye Irrit. 2, H319	3794-83-0	223-267-7	01-2119647955-23
Index number: Not available					

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Immediately remove the patient from the contaminated area and keep it at rest in a well-ventilated area. Seek medical advice.

Skin (pure product)

Remove contaminated clothing and wash it before to re-use. Wash the areas of the body that have come into contact with the product immediately with plenty of water and soap, even if only suspicious. Do not use neutralizing substances and do not apply ointments before 24 hours or without medical advice. Seek medical advice.

Eyes (pure product)

Irrigate immediately and abundantly for about 15 minutes with running water keeping the eyelids open; then protect the eyes with dry sterile gauze and use specialized medical care. Do not use eye drops or ointments of any kind before the visit or advice from an eye doctor.

Ingestion

Seek medical advice immediately. Do not induce vomiting and do not give anything unless expressly indicated by the doctor. Keep the patient at rest in a well-ventilated area.

4.2 Most important symptoms and effects, both acute and delayed

The product seriously harms mucous membranes, upper respiratory tract, eyes and skin. The symptoms are: cough, shortness of breath, headache, nausea, vomit.

4.3 Indication of any immediate medical attention and special treatment needed

See section 4.1 – Description of first aid measures.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : CO₂, alcohol-resistant foam and chemical powders

Unsuitable extinguishing media : None in particular

5.2 Special hazards arising from the substance or mixture

The product, during combustion, develops vapours potentially harmful to health.

5.3 Advice for firefighters

Use protective clothing for the respiratory tract, eyes and skin. Water spray can be used to disperse flammable vapours and protect people engaged in extinction. It is also advisable to use self-contained breathing apparatus, above all, when working in closed and poorly ventilated areas. Use specifically protective equipment of fire team.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Move away from the area surrounding the spill or release. Not smoking.

For emergency responders: General information: Use best P.P.E. See section 8.

6.2 Environmental precautions

Contain leaks with soil or sand to prevent it from flowing into surface waterways and / or sewers. If the product has flowed in large quantities in a watercourse or has contaminated the soil or vegetation, notify to the competent authorities.

6.3 Methods and material for containment and cleaning up

Collect the product for possible use or for elimination. After collection, wash the affected area and materials with plenty of water and collect the wash water.

6.4 Reference to other sections

See sections 8 and 13 for further information

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Normal precautions for handling chemicals, protecting themselves from accidental contact. Do not smoke, eat or drink while handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in original packaging, in a cool, ventilated place away from heat sources and direct exposure to sunlight. Keep containers closed when not in use.

7.3 Specific end use(s)

Consumer uses: Follow the instructions on the label / box / information sheets.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Control parameters relatives to substances contained if available

Substance:	Sodium carbonate			
CAS:	497-19-8			
GESTIS International Limit Values				
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m³	ppm	mg/m³



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People's Republic of China	--	3	--	6 (1)
Romania	--	1	--	3 (1)
	Remarks			
People's Republic of China	(1) 15 minutes average value			
Romania	(1) 15 minutes average value			
Link ECHA	https://echa.europa.eu/it/registration-dossier/-/registered-dossier/15432			

Substance: Sodium metasilicate pentahydrate**CAS:** 10213-79-3**GESTIS International Limit Values**

Limit value - Eight hours				
	ppm	mg/m ³	ppm	mg/m ³
	Not available	Not available	Not available	Not available
Remarks				
Not available				
Link ECHA --				
DNEL (Workers)				
	Systemic		Local	
	Long term	Short term	Long term	Short term
Inhalation (mg/m ³)	Not available	Not available	10	Not available
Dermal (mg/kg bw/day)	Not available	Not available	Not available	Not available
Oral (mg/kg bw/day)	Not available	Not available	Not available	Not available
Eyes (mg/kg bw/day)	Not available	Not available	Not available	Not available
DNEL (Population)				
	Systemic		Local	
	Long term	Short term	Long term	Short term
Inhalation (mg/m ³)	Not available	Not available	Not available	10
Dermal (mg/kg bw/day)	Not available	Not available	Not available	Not available
Oral (mg/kg bw/day)	Not available	Not available	Not available	Not available
Eyes (mg/kg bw/day)	Not available	Not available	Not available	Not available
PNEC				
Freshwater (mg/l)	Not available	Intermittent (mg/l)	Not available	Marine water (mg/l)
STP (mg/l)	Not available	Sediment (freshwater) (mg/kg/sediment)	Not available	Sediment (marine water) (mg/kg/sediment)
Air	Not available	Soil (mg/kg soil)	Not available	Hazard for predators g/kg food

Substance: Disodium carbonate, compound with hydrogen peroxide (2:3)**CAS:** 15630-89-4**GESTIS International Limit Values**

Limit value - Eight hours				
	ppm	mg/m ³	ppm	mg/m ³
	Not available	Not available	Not available	Not available
Remarks				
Not available				
Link ECHA https://echa.europa.eu/it/registration-dossier/-/registered-dossier/15960				
DNEL (Workers)				
	Systemic		Local	
	Long term	Short term	Long term	Short term
Inhalation (mg/m ³)	No hazard identified	No hazard identified	5	Exposure based waiving
Dermal (mg/kg bw/day)	No hazard identified	No hazard identified	12,8	12,8
Oral (mg/kg bw/day)	Not available	Not available	Not available	Not available
Eyes (mg/kg bw/day)	Not available	Not available	High hazard (no threshold derived)	Not available
DNEL (Population)				
	Systemic		Local	
	Long term	Short term	Long term	Short term
Inhalation (mg/m ³)	Not available	Not available	Exposure based waiving	Exposure based waiving
Dermal (mg/kg bw/day)	Not available	Not available	6,4	6,4
Oral (mg/kg bw/day)	Not available	Not available	Not available	Not available
Eyes (mg/kg bw/day)	Not available	Not available	High hazard (no threshold derived)	Not available
PNEC				
Freshwater (mg/l)	0,035	Intermittent (mg/l)	0,035	Marine water (mg/l)
STP (mg/l)	16,24	Sediment (freshwater) (mg/kg/sediment)	No exposure of sediment expected	Sediment (marine water) (mg/kg/sediment)
Air	No hazard identified	Soil (mg/kg soil)	No exposure of soil expected	Hazard for predators g/kg food

Substance: Alcohols, C12-15, branched and linear, ethoxylated**CAS:** 106233-83-1**GESTIS International Limit Values**

Limit value - Eight hours				
	ppm	mg/m ³	ppm	mg/m ³
	Not available	Not available	Not available	Not available
Remarks				
Not available				
Link ECHA --				
DNEL (Workers)				
	Systemic		Local	
	Long term	Short term	Long term	Short term
Inhalation (mg/m ³)	Not available	Not available	Not available	Not available
Dermal (mg/kg bw/day)	Not available	Not available	Not available	Not available
Oral (mg/kg bw/day)	Not available	Not available	Not available	Not available
Eyes (mg/kg bw/day)	Not available	Not available	Not available	Not available
DNEL (Population)				
	Systemic		Local	
	Long term	Short term	Long term	Short term
Inhalation (mg/m ³)	Not available	Not available	Not available	Not available
Dermal (mg/kg bw/day)	Not available	Not available	Not available	Not available
Oral (mg/kg bw/day)	Not available	Not available	Not available	Not available
Eyes (mg/kg bw/day)	Not available	Not available	Not available	Not available



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PNEC

Freshwater (mg/l)	Not available	Intermittent (mg/l)	Not available	Marine water (mg/l)	Not available
STP (mg/l)	Not available	Sediment (freshwater) (mg/kg/sediment)	Not available	Sediment (marine water) (mg/kg/sediment)	Not available
Air	Not available	Soil (mg/kg soil)	Not available	Hazard for predators g/kg food	Not available

Substance: Undecanol, branched and linear, ethoxylated, propoxylated (>=2,5 moles EO/PO)

CAS: - - EINECS: 940-634-3

GESTIS International Limit Values

	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
	Not available	Not available	Not available	Not available
Remarks				
	Not available			

Link ECHA

- -

DNEL (Workers)

Systemic

Long term

Not available

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DNEL (Population)

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Substance: Tetrasodium (1-hydroxyethylidene) bisphosphonate

CAS: 3794-83-0

GESTIS International Limit Values

	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
	Not available	Not available	Not available	Not available
Remarks				
	Not available			

Link ECHA

<https://echa.europa.eu/it/registration-dossier/-/registered-dossier/16087>

DNEL (Workers)

Systemic

Long term

16,9

No hazard identified

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DNEL (Population)

Systemic

Long term

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Freshwater (mg/l)	0,096	Intermittent (mg/l)	Not available	Marine water (mg/l)	0,01
STP (mg/l)	58	Sediment (freshwater) (mg/kg/sediment)	193	Sediment (marine water) (mg/kg/sediment)	19,3
Air	No hazard identified	Soil (mg/kg soil)	14	Hazard for predators g/kg food	5,3

8.2 Exposure controls


If as a result of the risk assessment and the adoption of technical preventive and / or organizational measures of collective protection it results that there is still a residual risk for the worker, it is necessary to equip the worker with the Personal Protective Equipment.

8.2.1 Appropriate engineering controls


Data not available

8.2.2 Individual protection measures, such as personal protective equipment


A. EYE/FACE PROTECTION

PICTOGRAM	PPE	NOTES
	PPE for eyes are a second category and must be marked with CE and number of Notify body that certified them. EN166 Personal eye-protection - Specifications	Not necessary in normal use. In the event that you proceed to handle the pure product in large quantities, use safety glasses with side protection.
GLASS		

B. HAND PROTECTION

PICTOGRAM	PPE	NOTES
	Gloves that protect against corrosive chemical substances, third category and provided with CE marking and the number of the Notified Body that issued the certification. EN374 Protective gloves against dangerous chemicals and micro-organisms.	We recommend category II long wrist waterproof gloves, the material can be latex or, for allergic, nitrile. The thickness of the gloves and the possible presence of an inner lining depend on many variables including the comfort of the operator.
GLOVES		

C. BODY PROTECTION

PICTOGRAM	PPE	NOTES
	EN 13688 Protective clothing - General requirements	Work clothes
WORKING CLOTHES		



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D. RESPIRATORY PROTECTION

PICTOGRAM	PPE	NOTES
 FILTER MASK	The choice of PPE must be in accordance with EN 529:2006 (Respiratory protective devices - Recommendations for selection, use, care and maintenance - Guidance document). e.g. it's possible to use mask in accordance with EN149 - Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking).	Not necessary in normal use. In the event that powders develop during use, use special masks with CE marking.

E. THERMAL HAZARDS

Avoid exposure to open flames.

F. ENVIRONMENTAL EXPOSURE CONTROLS

Avoid release into the environment

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

The following physical and chemicals properties aren't technical specifications. Specific references are in technical documentation.

Physical and chemical properties	Value	Notes or analytical method
Appearance	Crystalline white solid	Visual
Odour	Characteristic	Olfactory
Odour threshold	Not determined	--
pH	Pure product: Not applicable Solution 1%: 10.0 ± 0,5	pHmetro
Melting point/freezing point	Not determined	--
Initial boiling point and boiling range	Not determined	--
Flash point	Not applicable	--
Evaporation rate	Not determined	--
Flammability (solid, gas)	Not determined	--
Upper/lower flammability or explosive limits	Not determined	--
Vapour pressure	Not determined	--
Relative density	Not determined	--
Solubility(ies)	Total in water	Theoretical
Partition coefficient: n-octanol/water	Not determined	--
Auto-ignition temperature	Not determined	--
Decomposition temperature	Not determined	--
Viscosity	Not applicable	--
Explosive properties	Not determined	--
Oxidising properties	Not determined	--

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions of use and storage.

10.2 Chemical stability

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No one in normal use.

10.4 Conditions to avoid

Shock	Air	Heating	Light	Humidity
Nothing to report	Nothing to report	Avoid exposure to open flames	Nothing to report	Keep away

10.5 Incompatible materials

Acids	Bases	Water	Oxidising/Reducing	Other
Avoid contact	Nothing to report	Nothing to report	Avoid contact	Not mix with chemicals

10.6 Hazardous decomposition products

Under normal conditions the preparation does not decompose.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Hazard classes	Classification
(a) Acute toxicity :	Based on available data, the classification criteria are not met
(b) Skin corrosion/irritation :	Corrosive product: cause severe skin burns.
(c) Serious eye damage/irritation :	Corrosive product: causes serious eye damage.
(d) Respiratory or skin sensitisation :	Based on available data, the classification criteria are not met
(e) Germ cell mutagenicity :	Based on available data, the classification criteria are not met
(f) Carcinogenicity :	Based on available data, the classification criteria are not met
(g) Reproductive toxicity :	Based on available data, the classification criteria are not met
(h) STOT-single exposure :	Inhalation may cause respiratory irritation.
(i) STOT-repeated exposure :	Based on available data, the classification criteria are not met
(j) Aspiration hazard :	Based on available data, the classification criteria are not met

Relatives substances contained

Substance: Sodium carbonate	
CAS 497-19-8	
Routes of exposure	Inhalation, oral
Inhalation risk	A harmful concentration of airborne particles can be reached quickly if powdered.
Effects of short-term exposure	Substance is irritating for the eyes, skin and respiratory tract.



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Effects of repeated or long term exposure Substance may cause damage at respiratory tract (perforation of nasal septum). Repeated or long term exposure with skin can cause dermatitis.

ACUTE RISK/SYMPOTOMS

Inhalation	Cough, sore throat.
Skin	Redness.
Eyes	Redness, pain, severe burns.
Ingestion	Abdominal pain, burning sensation in throat and chest.
Notes	LD50 Oral (rat) (mg/kgbw) = 4090 LD50 skin (rat or rabbit) (mg/kgbw) = 117 CL50 Inhalation (rat) di vapour/dust/aerosol/fumes (mg/1/4h) or gas (ppmV/4h) = 5200

Substance: Sodium metasilicate pentahydrate

CAS 10213-79-3

Routes of exposure

Inhalation risk Inhalation, oral
Evaporation at 20°C is negligible; A harmful concentration of airborne particles can be reached quickly if powdered.

Effects of short-term exposure Substance is corrosive for the eyes, skin and respiratory tract. Corrosive for ingestion.

Effects of repeated or long term exposure No data available

ACUTE RISK/SYMPOTOMS

Inhalation	Sore throat, burning sensation, cough and shortness of breath
Skin	Redness, pain, severe burns
Eyes	Redness, pain, severe burns.
Ingestion	Burning sensation, Abdominal pain, shock or collapse.
Notes	No data available

SECTION 12: Ecological information

12.1 Toxicity

Use according to good working practices, avoiding to disperse the product in the environment.

12.2 Persistence and degradability

Regulation (EC) No 648/2004

Surfactant(s) contained in this product is(are) compliant(s) with the biodegradability criteria established by the Regulation (EC) No 648/2004 on detergents. All supporting data are kept at the disposal of the competent authorities of the Member States and will be provided, at their explicit request or at the request of a manufacturer of the formulated, to the aforementioned authorities.

12.3 Bioaccumulative potential

Data not available

12.4 Mobility in soil

Data not available

12.5 Results of PBT and vPvB assessment

Based on the available data, the product does not contain PBT or vPvB substances in a percentage higher than 0.1%

12.6 Other adverse effects



Data not available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not reuse empty containers. Dispose of them in compliance with current regulations. Any product residues can be burned in a suitable incinerator, equipped with post-combustion and abatement.

SECTION 14: Transport information

		ADR	IMDG	IATA
14.1	UN number		3253	
14.2	UN proper shipping name	Disodium trioxosilicate in a mixtures		
14.3	Transport hazard class(es)	8		
	Label			
14.4	Packing group	III		
	Limited quantities			
	Inner packaging	5 Kg		1 Kg/5Kg
	External packaging ^(Note 1)	20 or 30 Kg ⁽¹⁾		20 or 30 kg
	Packaging instruction	P002	P002	Y845/860/864
	Tunnel restriction code	E	Not applicable	Not applicable
	EmS	N.A.	F-D, S-U	Not applicable
14.5	Stowage and segregation	N.A.	Category D / SW2	Not applicable
	Environmental hazards	NO		
14.6	Marine pollutant	NO		
	Special precautions for user	As with all goods classified as dangerous for transport, all movements must be carried out in compliance with the specific rules for each type of transport under the control, if provided for by the regulations, of a specialist for the safety of transport of dangerous goods.		
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code	Does not allow carried in bulk		

Note 1
Box 30 kg – shrink-wrapped or stretch-wrapped trays 20 kg



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SECTION 15: Regulatory information

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

REGULATION (EC) No 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) 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

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 COMMISSION REGULATION (EC) No 790/2009, of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

15.2 Chemical safety assessment

A chemical safety assessment hasn't been developed for the product, although this MSDS contains one or more exposure scenario(s) in an integrated form. The content, where relevant, has been included in sections 1.2, 8, 9, 12, 15 and 16 of the same safety data sheets.

SECTION 16: Other information

16.1 Other information

Description of Hazard class and category codes in section 3

Eye Irrit. 2	Eye irritation, hazard category 2
Skin Corr. 1B	Skin corrosion, hazard category 1B
STOT SE 3	Specific target organ toxicity — single exposure, hazard category 3
Ox. Sol. 3	Oxidising solid, hazard category 3
Acute Tox. 4	Acute toxicity, hazard category 4
Eye Dam. 1	Serious eye damage, hazard category 1
Met. Corr. 1	Substance or mixture corrosive to metals, hazard category 1

Description of Hazard statement(s) in section 3

H319 =	Causes serious eye irritation
H314 =	Causes severe skin burns and eye damage
H335 =	May cause respiratory irritation
H272 =	May intensify fire; oxidizer.
H302 =	Harmful if swallowed
H318 =	Causes serious eye damage
H290 =	May be corrosive to metals

Classification made based on the data of all the components of the mixture

ANTIPOISON CENTRE

EUROPA			
Antipoison centre	AUSTRIA - Vergiftungsinformationszentrale	Antipoison centre	BELGIUM - Centre Antipoisons-Antigifcentrum
Emergency phone	+43 1 406 43 43	Emergency phone	+32 70 245 245
Antipoison centre	CROATIA - Poison Control Centre Zagreb	Antipoison centre	FRANCE - ORFILA_Liste des centres anti poison
Emergency phone	+358 1 2348 342	Emergency phone	+33 1 40 05 48 48
Antipoison centre	FRANCE - Centre antipoison et de toxicovigilance de Paris	Antipoison centre	GERMANY - Deutschland Notrufnummer
Emergency phone	+33 (0)1 40 05 48 48	Emergency phone	+49 030 30 68 67 00
Antipoison centre	NETHERLANDS - National Poisons Information Centre	Antipoison centre	SWEDEN - Swedish Poisons Information Centre
Emergency phone	+31 30 274 88 88	Emergency phone	112

SOURCES

ECHA	European Chemicals Agency	OSHA	European Agency for Safety and Health at Work	IARC	International Agency for Research on Cancer
IPCS	International Programme on Chemical Safety (Cards)	NIOSH	Registry of toxic effects of chemical substances (1983)	ACGIH	American Conference of Governmental Industrial Hygienists
TOXNET	Toxicology Data Network	WHO	World Health Organization	CheLIST	Chemical Lists Information System
IFA	Institute für Arbeitsschutz.				

The sections modified respect to the previous revision are highlighted by the vertical section on the left.

Safety Data Sheet according to Regulation (EU) No. 2015/830 of 29 May 2015 and subsequent amendments

The information in this SDS was obtained from the best that is available or to our knowledge on the market at the specified review date. Neither the Company registered holder of this card nor the subsidiaries will accept any complaints arising from improper use of the information set forth herein or from improper use of the product in the application. Pay particular attention to the use of preparations because improper use can increase the hazard.

This safety data sheet has been translated with an automatic system. We thank all the people who want to report any anomalies in the translation.