

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758. Issue date: 6/3/2022 Revision date: 6/3/2022 Version: 1.0

I.1. Product identifier	
Product form	: Mixture
Trade name	: Cafiza Espresso Machine Cleaning Tablets
.2. Relevant identified uses of	of the substance or mixture and uses advised against
.2.1. Relevant identified uses	
Main use category	: Industrial use
Use of the substance/mixture	: Cleaner
.2.2. Uses advised against	
lo additional information available	
.3. Details of the supplier of	the safety data sheet
Manufacturer	Distributor
Urnex Brands, LLC	Urnex Brands, LLC
700 Executive Blvd.	Unit 5
Elmsford, NY 10523 - USA T +1-914-963-2042 - F +1-914-963-	Flanders Industrial Estate 3-2145 Hedge End
info@urnex.com	SO30 2FZ
	02039 151 930
4. Emergency telephone nu	umber
Emergency number	: International (Infotrac): +1 800-535-5053
	UK National 0330 +44 330 027 0156
ECTION 2: Herorde identif	fication
ECTION 2: Hazards identif	
.1. Classification of the subs	
lassification according to Regula	
Skin Irrit. 2	H315
Eye Irrit. 2	H319
ull text of hazard classes, H- and EL	UH-statements: see section 16
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	health and environmental effects
o additional information available	health and environmental effects
lo additional information available .2. Label elements	
No additional information available 2.2. Label elements Labelling according to Regulation	
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o additional information available 2. Label elements abelling according to Regulation Hazard pictograms (CLP) Signal word (CLP)	r (EC) No. 1272/2008 [CLP] : GHS07 : Warning : H315 - Causes skin irritation.
Lo additional information available L2. Label elements Labelling according to Regulation Hazard pictograms (CLP) Signal word (CLP) Hazard statements (CLP)	r (EC) No. 1272/2008 [CLP] : GHS07 : Warning : H315 - Causes skin irritation. H319 - Causes serious eye irritation.
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2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium carbonate	(CAS-No.) 497-19-8 (EC-No.) 207-838-8 (EC Index-No.) 011-005-00-2 (REACH-no) 01-2119485498-19	30 – 40	Eye Irrit. 2, H319
Sodium carbonate peroxide	(CAS-No.) 15630-89-4 (EC-No.) 239-707-6 (REACH-no) 01-2119457268-30	20 – 30	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 (ATE=1034 mg/kg bodyweight) Eye Dam. 1, H318
Sulfamic acid	(CAS-No.) 5329-14-6 (EC-No.) 226-218-8 (EC Index-No.) 016-026-00-0 (REACH-no) 01-2119488633-28	10 – 20	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Alcohols ethoxylated	(CAS-No.) 68439-46-3 (EC-No.) 614-482-0	1 - 2	Acute Tox. 4 (Oral), H302 (ATE=1400 mg/kg bodyweight) Eye Dam. 1, H318
Sodium lauryl sulfate	(CAS-No.) 68955-19-1 (EC-No.) 273-257-1	0.1 - 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Specific concentration limits:			
Name	Product identifier	Specific co	oncentration limits
Sodium carbonate peroxide	(CAS-No.) 15630-89-4 (EC-No.) 239-707-6		5) Eye Irrit. 2, H319 0) Eye Dam. 1, H318

(REACH-no) 01-2119457268-30

(CAS-No.) 68955-19-1

(EC-No.) 273-257-1

(10 ≤C < 20) Eye Irrit. 2, H319 (20 ≤C < 100) Eye Dam. 1, H318

Full text of H- and EUH-statements: see section 16

Sodium lauryl sulfate

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of Water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
4.3. Indication of any immediate medical a	ttention and special treatment needed
Symptoms may be delayed. In case of accident or	if you feel unwell, seek medical advice immediately (show the label where possible).

SEC	FION 5: Firefighting measu	ires
5.1.	Extinguishing media	
Suita	ble extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsu	itable extinguishing media	: Do not use water jet.
5.2.	Special hazards arising from	the substance or mixture
Fire I	nazard	: Products of combustion may include, and are not limited to: oxides of carbon.
5.3.	Advice for firefighters	
Prote	ection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

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According	to REACH Regulation (EC) No 1907/2006, as an	nelided by OK REACH Regulations SI 2019/138.
SECT	ON 6: Accidental release measu	ures
6.1.	Personal precautions, protective equi	pment and emergency procedures
Genera	al measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
6.1.1.	For non-emergency personnel	
No addi	tional information available	
6.1.2.	For emergency responders	
No addi	tional information available	
6.2.	Environmental precautions	
Prevent	entry to sewers and public waters.	
6.3.	Methods and material for containment	t and cleaning up
For co	ntainment	: Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Metho	ds for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.
6.4.	Reference to other sections	
For furth	ner information refer to section 8: "Exposure	e controls/personal protection".
SECT	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
Precau	utions for safe handling	: Avoid contact with skin and eyes. Avoid breathing dust. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Good housekeeping is important to prevent accumulation of dust.
Hygier	ne measures	: Take off contaminated clothing and wash it before reuse. Always wash hands after handling the product.
7.2.	Conditions for safe storage, including	any incompatibilities
Storag	e conditions	: Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well- ventilated place.

7.3. Specific end use(s)

Not available.

SECTI	SECTION 8: Exposure controls/personal protection		
8.1.	Control parameters		
No additi	ional information available		
8.2.	Exposure controls		
_			

Appropriate engineering controls:

Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

Eye protection:

Safety eyewear complying with an approved standard such as the European Standard EN166 should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls:

Avoid release to the environment.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

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SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and o	chemical properties	
Physical state	: Solid	
Appearance	: Granules. Powder	
Colour	: White	
Odour	: None	
Odour threshold	: No data available	
рН	: 10.25 (10 % solution)	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: > 100 °C	
Flash point	: Not applicable	
Auto-ignition temperature	: Not applicable	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Not flammable	
Vapour pressure	: Not applicable	
Relative vapour density at 20 °C	: Not applicable	
Relative density	: 1.025	
Solubility	: No data available	
Partition coefficient n-octanol/water	: No data available	
Viscosity, kinematic	: Not applicable	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: Non oxidizing.	
Explosive limits	: Not applicable	
0.0 Other information		

9.2. Other information

No additional information available

SECT	ION 10: Stability and reactivity	
10.1.	Reactivity	
No dangerous reactions known under normal conditions of use.		
10.2.	Chemical stability	
Stable u	Inder normal conditions.	
10.3.	Possibility of hazardous reactions	
No dang	gerous reactions known under normal conditions of use.	
10.4.	Conditions to avoid	
Heat. In	compatible materials.	
10.5.	Incompatible materials	
Strong	oxidizing agents. Strong acids.	
10.6.	Hazardous decomposition products	
May inc	lude, and are not limited to: oxides of carbon.	

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified.	
Acute toxicity (dermal)	: Not classified.	
Acute toxicity (inhalation)	: Not classified.	
ATE CLP (oral)	3952.94 mg/kg	
Sodium carbonate (497-19-8)		
LD50 oral rat	4090 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:	
LC50 inhalation rat	2300 mg/m ³ (Exposure time: 2 h)	

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Sodium carbonate peroxide (15630-89-4)	
LD50 oral rat	1034 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:EPA Guideline
Sulfamic acid (5329-14-6)	
LD50 oral rat	2065 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicit
Alcohols ethoxylated (68439-46-3)	
LD50 oral rat	1400 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicit
LC50 inhalation rat	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:
Sodium lauryl sulfate (68955-19-1)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.1 (Acute Toxicity (Oral))
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicit
LD50 dermal rabbit	> 10000 mg/kg
Jnknown acute toxicity (CLP) - SDS	: 83.9% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mis
Skin corrosion/irritation	: Causes skin irritation.
	pH: 10.25
Serious eye damage/irritation	: Causes serious eye irritation.
	pH: 10.25
Additional information	: On basis of test data
Respiratory or skin sensitisation	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Not classified.
Additional information	
	: Based on available data, the classification criteria are not met.
Carcinogenicity Additional information	: Not classified.
	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Sulfamic acid (5329-14-6)	
NOAEL (animal/female, F1)	500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPP 83-4 (Reproduction and Fertility Effects)
STOT-single exposure	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Alcohols ethoxylated (68439-46-3)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-D Oral Toxicity Study in Rodents)
Aspiration hazard	: Not classified.
Additional information	: Based on available data, the classification criteria are not met.
Cafiza Espresso Machine Cleaning Tablets	
Viscosity, kinematic	Not applicable
ECTION 12: Ecological information	
.1. Toxicity	
Ecology - general	: Not applicable.
Hazardous to the aquatic environment, short- erm (acute)	: Not classified.
Hazardous to the aquatic environment, long- erm (chronic)	: Not classified.
Sodium carbonate (497-19-8)	

Sodium carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l Test organisms (species): Lepomis macrochirus
LC50 - Fish [2]	310 – 1220 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.

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Sodium carbonate (497-19-8)		
EC50 - Crustacea [2]	50 - Crustacea [2] 200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.	
Sodium carbonate peroxide (15630)-89-4)	
LC50 - Fish [1]	70.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
EC50 - Crustacea [1]	4.9 mg/l Test organisms (species): Daphnia pulex	
Sulfamic acid (5329-14-6)		
LC50 - Fish [1]	70.3 mg/l Test organisms (species): Pimephales promelas	
EC50 - Crustacea [1]	71.6 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	48 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 72h - Algae [2]	33.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
LOEC (chronic)	34 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	19 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	≥ 60 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d'	
Alcohols ethoxylated (68439-46-3)		
LC50 - Fish [1]	5 - 7 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [1]	2.5 mg/l Test organisms (species): Daphnia magna	
EC50 96h - Algae [1]	1.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
Sodium lauryl sulfate (68955-19-1)		
LC50 - Fish [1]	1.3 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
EC50 - Crustacea [1]	2.8 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	20 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 72h - Algae [2]	14 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 96h - Algae [1]	42 mg/l (Species: Desmodesmus subspicatus)	

12.2. Persistence and degradability

Cafiza Espresso Machine Cleaning Tablets				
Persistence and degradability	Not established.			
12.3. Bioaccumulative potential				
Cafiza Espresso Machine Cleaning Tablets				
Bioaccumulative potential	Not established.			
Sodium carbonate (497-19-8)				
BCF - Fish [1]	(no bioaccumulation)			
Sodium carbonate peroxide (15630-89-4)				
BCF - Fish [1]	(no bioaccumulation)			
12.4. Mobility in soil				

No additional information available 12.5 Beaulte of BBT and vBvB

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	Cafiza Espresso Machine Cleaning Tablets		
	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII		
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		

12.6. Other adverse effects

Additional information

: No other effects known

SECTI	SECTION 13: Disposal considerations			
13.1.	Waste treatment methods			
Produc	t/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. The generation of waste should be avoided or minimized wherever possible.		

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758.

SECTION 14: Transport information						
In accordance with ADR / IMDG / IATA						
ADR	IMDG	ΙΑΤΑ				
14.1. UN number						
Not regulated	Not regulated	Not regulated				
14.2. UN proper shipping name						
Not regulated	Not regulated	Not regulated				
14.3. Transport hazard class(es)						
Not regulated	Not regulated	Not regulated				
14.4. Packing group						
Not regulated	Not regulated	Not regulated				
14.5. Environmental hazards						
Not regulated	Not regulated	Not regulated				
No supplementary information available.						

14.6. Special precautions for user

Special transport precautions

: Do not handle until all safety precautions have been read and understood.

- Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport

Not regulated

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

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no REACH candidate substance.

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

British National Regulations

United Kingdom

: Not determined.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758.

	°C – Degrees Celsius
	°F – Degrees Fahrenheit
	ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.
	ACGIH – American Conference of Governmental Industrial Hygienists
	ATE – Acute Toxicity Estimate
	BCF – Bioconcentration Factor
	BEI – Biological Exposure Index
	CAS – Chemical Abstracts Service
	CLP – Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of substances and mixtures.
	CMR – Carcinogen, Mutagen, Reproductive toxin
	cP – centipoise (unit of dynamic viscosity)
	cSt – centistokes (unit of kinematic viscosity)
	DNEL – Derived No-effect Level
	DMEL – Derived Minimal Effect Level
	EC50 – Half maximal effective concentration
	ECHA – European Chemicals Agency
	EC-No. – European Community number
	EU – European Union
	GHS – Globally Harmonized System of Classification and Labelling of Chemicals
	h – Hours
	IATA – International Air Transport Association
	IC50 – Inhibition concentration
	IDLH – Immediately Dangerous to Life or Health
	IMDG – International Maritime Dangerous Goods
	IOELV – Indicative Occupational Exposure Limit Value
	KIFS – Swedish Chemicals Agency's (Kemi's) Code of Statutes
	kPa – kilopascal Koc – Adsorption Coefficient
	Kow – Octanol-Water Partition Coefficient
	LC50 – Median Lethal Concentration
	LD50 – Median Lethal Dose
	LOAEL – Lowest Observed Adverse Effect level
	mg/l – Milligram per liter
	mg/kg – Milligram per kilogram
	mg/m3 – Milligram per cubic meter
	Min – Minutes
	NIOSH – National Institute for Occupational Safety and Health
	NOEC – No Observed Effect Concentration
	NO(A)EL – No Observed (Adverse) Effect Level
	N.O.S. – Not Otherwise Specified
	OEL – Occupational Exposure Limit
	PBT - Persistent, Bioaccumulative and Toxic
	PCN – Poison Centre Notification
	PNEC – Predicted No Effect Concentration
	ppm – Parts per million
	PVC – Polyvinyl chloride
	REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
	RID – European Agreement concerning the International Carriage of Dangerous Goods by Rail
	SDS – Safety Data Sheet
	STEL – Short Term Exposure Limit
	STOT – Specific Target Organ Toxicity
	SVHC – Substance of Very High Concern (CMR, vPvB, PBT)
	TDI – Tolerable Daily Intake
	TLV – Threshold Limit Value
	TWA – Time Weighted Average
	UFI – Unique Formulation Identifier
	UN – United Nations
	vPvB - Very Persistent and Very Bioaccumulative
	WEL – Workplace Exposure Limit
	WGK – Wassergefahrdungklasse – German water quality classification
L	

Data sources

: 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.

Other information

: None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H272	May intensify fire; oxidiser.	
H302	Harmful if swallowed.	

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H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H412	Harmful to aquatic life with long lasting effects.	
Ox. Sol. 2	Oxidising Solids, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	On basis of test data

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.