SAFETY DATA SHEET

HG professional limescale remover



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

1.1 Product identifier

Dreduct nome
Product name
Product code
Product description
Product type
Other means of
identification

- : HG professional limescale remover
- : 100
- : Cleaner.
- : Liquid.
- : Not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against Not applicable.

1.3 Details of the supplier of the safety data sheet

HG International BV Damsluisweg 70 - NL-1332 EJ - Almere - The Netherlands Tel.: +31 (0)36 54 94 700 - Fax: +31 (0)36 54 94 744 Email: info@hg.eu - Internet: www.hg.eu

e-mail address of person : safety@hg.eu responsible for this SDS

National contact

HG Hagesan UK Ltd. Unit 2 Lanswood Park Broomfield Road Elmstead Market Colchester Essex CO7 7FD Tel.: 0044 (0)1206 822744 Fax: 0044 (0)1206 827019

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number	: England and Wales NHS Direct: 0845 4647
	Scotland NHS 24: 08454 24 24 24
	Republic of Ireland 01 809 2166
Supplier	
Telephone number	: +31 (0)36 54 94 777
Hours of operation	: Mo-Fr 9.00-17.00
Information limitations	: Only for medical personnel.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Skin Corr. 1, H314

Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : C; R34

Human health hazards : Causes burns.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements		
Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	Causes severe skin burns and eye damage.
Precautionary statements		
General	:	If medical advice is needed, have product container or label at hand. Keep out of reach of children.
Prevention	:	Wear protective gloves and eye protection.
Response	:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	:	Not applicable
Disposal	:	Not applicable
Hazardous ingredients	:	phosphoric acid Isotridecanol, ethoxylated
Supplemental label elements	1	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
Special packaging requirem	en	t <u>s</u>
Containers to be fitted with child-resistant fastenings	:	Yes, applicable.
Tactile warning of danger	;	Yes, applicable.
2.3 Other hazards		
Other hazards which do not result in classification	:	None known.

Mixture

HG professional limescale remover

SECTION 3: Composition/information on ingredients

			Classification		
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
phosphoric acid	EC: 231-633-2 CAS: 7664-38-2 Index: 015-011-00-6	>=10 - <25	C; R34	Acute Tox. 4, H302 Skin Corr. 1B, H314	[1] [2]
D-gluconic acid	EC: 208-401-4 CAS: 526-95-4 Index: 208-401-4	>=1 - <5	Xi; R36	Eye Irrit. 2, H319	[1]
oxalic acid	EC: 205-634-3 CAS: 144-62-7 Index: 607-006-00-8	<5	Xn; R21/22	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Irrit. 2, H319	[1] [2]
propan-2-ol	REACH #: 01-2119457558-25 EC: 200-661-7 CAS: 67-63-0 Index: 603-117-00-0	>=1 - <5	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 (Narcotic effects)	[1]
lsotridecanol, ethoxylated	EC: 500-241-6 CAS: 69011-36-5	>=1 - <5	Xi; R41	Eye Dam. 1, H318	[1]
			See Section 16 for the full text of the R- phrases declared above.	See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

Substance/mixture

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	: Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Chemical burns must be treated promptly by a physician.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

	HG professional limescale remover		
SECTION 4: First aid measures			
4.2 Most important sympton	ns and effects, both acute and delayed		
Potential acute health effect	<u>cts</u>		
Eye contact	: Causes serious eye damage.		
Inhalation	: May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.		
Skin contact	: Causes severe burns.		
Ingestion	: May cause burns to mouth, throat and stomach.		
Over-exposure signs/symp	<u>otoms</u>		
Eye contact	: Adverse symptoms may include the following: pain watering redness		
Inhalation	: No specific data.		
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur		
Ingestion	: Adverse symptoms may include the following: stomach pains		
4.2 Indication of any immedi	iate medical attention and special treatment needed		
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.		
Specific treatments	: No specific treatment.		
SECTION 5: Firefightin	g measures		
5.1 Extinguishing media Suitable extinguishing media	: Not applicable		
Unsuitable extinguishing media	: Not applicable		
5.2 Special hazards arising t	from the substance or mixture		
Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst.		
Hazardous thermal decomposition products	 Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides 		

5.3 Advice for firefighters	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and materials for	r containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

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SECTION 7: Handling and storage

Recommendations	: Not available.
Industrial sector specific solutions	: Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

Product/ingredie	nt name	Exposure limit values	
phosphoric acid oxalic acid		EU OEL (Europe, 12/2009). Notes: list of indicative occupational exposure limit values STEL: 2 mg/m ³ 15 minutes. TWA: 1 mg/m ³ 8 hours. EU OEL (Europe, 12/2009). Notes: list of indicative occupational exposure limit values	
		TWA: 1 mg/m ³ 8 hours.	
Recommended monitoring procedures	atmosphere of the ventila protective ec the following the assessm limit values a atmosphere exposure to (Workplace for the meas	ct contains ingredients with exposure limits, personal, workplace e or biological monitoring may be required to determine the effective ation or other control measures and/or the necessity to use respiral quipment. Reference should be made to monitoring standards, su g: European Standard EN 689 (Workplace atmospheres - Guidan nent of exposure by inhalation to chemical agents for comparison v and measurement strategy) European Standard EN 14042 (Work es - Guide for the application and use of procedures for the assess chemical and biological agents) European Standard EN 482 atmospheres - General requirements for the performance of proce- surement of chemical agents) Reference to national guidance for methods for the determination of hazardous substances will also	atory uch as uce for with cplace ment o cedures
DNELs/DMELs No DNELs/DMELs available			
PNECs			
No PNECs available			
3.2 Exposure controls			
Appropriate engineering controls	enclosures,	rations generate dust, fumes, gas, vapour or mist, use process , local exhaust ventilation or other engineering controls to keep wo o airborne contaminants below any recommended or statutory limit	
Individual protection measured	res		
Hygiene measures	eating, smo Appropriate Wash conta	ds, forearms and face thoroughly after handling chemical products oking and using the lavatory and at the end of the working period. e techniques should be used to remove potentially contaminated cl aminated clothing before reusing. Ensure that eyewash stations an vers are close to the workstation location.	lothing.
Eye/face protection	: Recommen	nded: Safety glasses.	
Skin protection			
Hand protection	the prepara	ection: material must be impermeable and resistant to the product/the sub ation. Select the glove material taking account of the penetration tir s of permeability and the degrading.	
	characterist	erial of a suitable glove depends on the material, but also on other qua tics and differs from manufacturer to manufacturer. As the produc several substances, the durability of the glove materials cannot be	t
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	calculated in advance and therefore requires testing before use. Always ask advice from the glove manufacturer. Dirty gloves must be replaced. Personal hygiene is an essential precondition to goo hand care. Only put on gloves when your hands are clean. Wash and dry your hands carefully after wearing gloves.
	Permeation time of the glove material You can ask the glove manufacturer for the exact penetration time; take this into account. If product may come into contact with hands, assuming a long contact of maximum 15 minutes, gloves of the following materials offer adequate protection according to DIN EN 374. * butyl rubber (thickness > 0.5 mm) * nitrile rubber (thickness > 0.35 mm)
	* polychloroprene rubber (thickness > 0.4 mm)
	* natural rubber (thickness > 0.5 mm)
	For continuous contact we recommend gloves with a breakthrough time of at least 240 minutes, with a preference for a breakthrough time of more than 480 minutes.
	Protection against splashes
	For short contact or splash protection, use the same gloves as for long contact. A shorter breakthrough time may be acceptable provided the gloves are replaced in time.
	Recommended: Latex gloves. or Nitrile gloves.
Body protection	: Not applicable
Other skin protection	: Not applicable
Respiratory protection	: Not applicable
Thermal hazards	: Not applicable
Environmental exposure controls	: Not applicable

SECTION 9: Physical and chemical properties

9.1 Information on basic physical	ar	nd chemical properties
<u>Appearance</u>		
Physical state	:	Liquid.
Colour	:	Colourless to light yellow.
Odour	:	Fragrance-like.
Odour threshold	1	Not available.
рН	1	<1 [Conc. (% w/w): 100%]
Melting point/freezing point	1	Not available.
Initial boiling point and boiling range	1	100°C
Flash point	:	Closed cup: 62°C [Product does not sustain combustion.]
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Burning time	1	Not applicable.
Burning rate	:	Not applicable.
Upper/lower flammability or explosive limits	:	Not available.
Vapour pressure	:	Not available.
Vapour density	:	Not available.
Relative density	1	1,135
Solubility(ies)	1	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-octanol/ water	:	Not available.

SECTION 9: Physical and chemical properties

Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not available.
Oxidising properties	: Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity					
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.	•			
10.2 Chemical stability	: The product is stable.				
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.				
10.4 Conditions to avoid	: No specific data.				
10.5 Incompatible materials	: Attacks many metals producing extremely flammable hydrogen gas which can forr explosive mixtures with air. Reactive or incompatible with the following materials: alkalis	m			
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.				

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
phosphoric acid propan-2-ol	LD50 Oral LD50 Dermal LD50 Oral	Rat Rabbit Rat	1,25 g/kg 12800 mg/kg 5000 mg/kg	-
Conclusion/Summary	: Not available.			

Conclusion/Summary

Acute toxicity estimates

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
oxalic acid	Eyes - Severe irritant	Rabbit	-	24 hours 250 Micrograms	s -
	Eyes - Severe irritant	Rabbit	-	0,0666666667 minutes 10	0 -
	Ckin Mild irritant	Dabbit		milligrams	
propon 2 ol	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
propan-2-ol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Conclusion/Summary	: Not available.				
<u>Sensitisation</u>					
Conclusion/Summary	: Not available.				
<u>Mutagenicity</u>					
Conclusion/Summary	: Not available.				
Carcinogenicity					
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SECTION 11: Toxicolo	gical information			
Conclusion/Summary	: Not available.			
Reproductive toxicity				
Conclusion/Summary	: Not available.			
Teratogenicity				
Conclusion/Summary	: Not available.			
Specific target organ toxic	<u>:ity (single exposure)</u>			
Product/in	gredient name	Category	Route of exposure	Target organs
propan-2-ol		Category 3	Not applicable.	Narcotic effects
Specific target organ toxic	tity (repeated exposure)			
Not available.	<u>, (,,,,,,</u>			
Aspiration hazard				
Not available.				
nformation on the likely outes of exposure	: Not available.			
Potential acute health effect	te			
Eye contact	: Causes serious eye	damage.		
Inhalation	,	por or dust that is very ir	ritating or corrosive	to the respiratory
Skin contact	: Causes severe burr	1 S.		
Ingestion	: May cause burns to	mouth, throat and stom	ach.	
Symptoms related to the ph				
Eye contact	: Adverse symptoms pain watering redness	may include the followin	g:	
Inhalation	: No specific data.			
Skin contact	•	may include the followin	g:	
Ingestion	• •	may include the followin	a:	
	stomach pains		9.	
Delayed and immediate effe	ects and also chronic eff	fects from short and lo	na term exposure	
Short term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
Long term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects				
Potential chronic health ef Not available.	<u>tects</u>			
Conclusion/Summary	: Not available.			
-				
General	: No known significan	nt effects or critical hazar	ds.	
General Carcinogenicity	-	nt effects or critical hazan nt effects or critical hazan		

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SECTION 11: Toxicological information

Teratogenicity	
Developmental effects	
Fertility effects	

: No known significant effects or critical hazards.

: No known significant effects or critical hazards.

: No known significant effects or critical hazards.

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
phosphoric acid	Acute LC50 138 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
oxalic acid	Acute EC50 136900 to 150000 µg/l	Daphnia - Daphnia magna -	48 hours
	Fresh water	Larvae	
propan-2-ol	Acute LC50 1400000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1400000 µg/l	Fish - Gambusia affinis	96 hours
Conclusion/Summary	. Not available		

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
oxalic acid	-	>70 % - 28 days	-	-
Conclusion/Summary	: Not available.			

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
oxalic acid	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
oxalic acid	-1,7		low
propan-2-ol	0,05		low

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

PBT		:	Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.
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SECTION 13: Disposal considerations

Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	UN1760	UN1760	UN1760	UN1760
14.2 UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Phosphoric acid , mixture)	CORROSIVE LIQUID, N.O.S. mixture	CORROSIVE LIQUID, N.O.S. (Phosphoric acid , mixture)	CORROSIVE LIQUID, N.O.S. (Phosphoric acid , mixture)
14.3 Transport hazard class(es)	8	8	8	8
14.4 Packing group	Ш	Ш	Ш	Ш
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	Hazard identification number 80 Limited quantity 5 L	-	<u>Emergency</u> <u>schedules (EmS)</u> F-A, S-B	-
	<u>Tunnel code</u> (E)			

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk	: Not available.
according to Annex II of	
MARPOL 73/78 and the IBC	
Code	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

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SECTION 15: Regulatory information					
Other EU regulations Europe inventory Seveso II Directive		Not determined.			
This product is not controlled					
Contains (Regulation (EC) No 648/2004)	1	non-ionic surfactants		<5%	
NO 646/2004)		perfumes			
15.2 Chemical Safety Assessment	:	This product contains substances for which Chemical Safety Assessments are still required.			
SECTION 16: Other info	rm	ation			
Indicates information that h	as (changed from previously is	sued version.		
Abbreviations and acronyms : ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative					
Procedure used to derive the	cla	ssification according to	Regulation (EC) No. 1272/2008 [CLP/GHS]		
Classif	icat	ion	Justification		
Skin Corr. 1, H314			Expert judgment		
Full text of abbreviated H statements	:	H302Harmful if swalldH312Harmful in contaH314Causes severe sH318Causes serious dH319Causes serious d	ict with skin. skin burns and eye damage. eye damage.		
Full text of classifications [CLP/GHS]	:	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Dam. 1, H318 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Skin Corr. 1, H314 Skin Corr. 1B, H314 STOT SE 3, H336 (Narcotic effects)	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 SERIOUS EYE DAMAGE/ EYE IRRITATION - Ca SERIOUS EYE DAMAGE/ EYE IRRITATION - Ca FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION/IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	tegory 2	
Full text of abbreviated R phrases	:	 R11- Highly flammable. R21/22- Harmful in contact with skin and if swallowed. R34- Causes burns. R41- Risk of serious damage to eyes. R36- Irritating to eyes. R67- Vapours may cause drowsiness and dizziness. 			
Full text of classifications [DSD/DPD]	:	F - Highly flammable C - Corrosive Xn - Harmful Xi - Irritant			
Date of printing	:	18-5-2015.			
Date of issue/ Date of	:	13-5-2015.			

revision

SECTION 16: Other information

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Version	: 1.01
Notice to reader	

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.