

**BELLINZONI S.R.L.**

Revision nr. 2

Dated 16/11/2023

Printed on 16/11/2023

Page n. 1/29

Replaced revision:1 (Printed on: 15/09/2022)

B-XTREME HD CLEANER CK

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Code: P061XTCK - P061XTCK10L - P061XTCK50L
Product name: B-XTREME HD CLEANER CK
UFI: C501-P0Q7-W00S-SQV3

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

Intended use: Concentrated wax remover with deep cleansing action to remove old wax layers and heavy dirt from floors and vertical surfaces

Identified Uses	Industrial	Professional	Consumer
Wax remover, detergent	-	ERC: 8a, 8d. PROC: 10, 8a. PC: 35. LCS: PW.	-

1.3. Details of the supplier of the safety data sheet

Name: BELLINZONI S.R.L.
Full address: Via Mezzano 64
District and Country: 28069 Trecate (NO)
Italia
Tel. +39 0321 770558


e-mail address of the competent person
responsible for the Safety Data Sheet
Supplier:

laboratorio@bellinzoni.com
BELLINZONI S.r.l.

1.4. Emergency telephone number

For urgent inquiries refer to

- CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA – Roma - Piazza Sant'Onofrio, 4 CAP: 00165 – Telefono: 06 68593726 – Responsabile: Marco Marano
- Az. Osp. Univ. Foggia – Foggia - V.le Luigi Pinto, 1 – CAP: 71122 – Telefono: 800183459 – Responsabile: Anna Lepore
- Az. Osp. "A. Cardarelli" – Napoli - Via A. Cardarelli, 9 – CAP: 80131081- Telefono: 5453333 – Responsabile: Romolo Villani
- CAV Policlinico "Umberto I" - Roma - V.le del Policlinico, 155 – CAP: 161 – Telefono: 06-49978000 – Responsabile: M. Caterina Grassi
- CAV Policlinico "A. Gemelli" - Roma - Largo Agostino Gemelli, 8 – CAP: 168 – Telefono: 06-3054343 – Responsabile: Alessandro Barelli
- Az. Osp. "Careggi" U.O. Tossicologia Medica – Firenze - Largo Brambilla, 3 – CAP: 50134 – Telefono: 055-7947819 – Responsabile: Francesco Gambassi
- CAV Centro Nazionale di Informazione Tossicologica - Pavia – Via Salvatore Maugeri, 10 – CAP: 27100 - Telefono: 0382-24444 – Responsabile: Carlo Locatelli
- Osp. Niguarda Ca' Granda – Milano - Piazza Ospedale Maggiore, 3 – CAP: 20162 – Telefono: 02-66101029 – Responsabile: Franca Davanzo
- Azienda Ospedaliera Papa Giovanni XXII – Bergamo - Piazza OMS, 1 – CAP: 24127 – Telefono: 800883300 – Responsabile: Bacis Giuseppe
- Azienda Ospedaliera Integrata Verona – Verona - Piazzale Aristide Stefani, 1 – CAP: 37126 – Telefono: 800011858

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SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Substance or mixture corrosive to metals, category 1	H290	May be corrosive to metals.
Acute toxicity, category 4	H332	Harmful if inhaled.
Skin corrosion, category 1B	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Danger

Hazard statements:

H290	May be corrosive to metals.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
EUH210	Safety data sheet available on request.

Precautionary statements:


P102	Keep out of reach of children.
P260	Do not breathe dust / fume / gas / mist / vapours / spray.
P264	Wash your hands thoroughly with water after use.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
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
P501	Dispose of the product / container in accordance with local / regional / national / international regulations.

Contains: SODIUM METASILICATE PENTAHYDRATE; 2-AMINOETHANOL; 2-BUTOXYETHANOL; BENZYL ALCOHOL

Ingredients according to Regulation (EC) No. 648/2004

Less than 5%	Non-ionic surfactants, Soap
5% or over but less than 15%	Anionic surfactants

Dye. Benzyl Alcohol

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2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.

SECTION 3. Composition/information on ingredients


3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
2-BUTOXYETHANOL		
INDEX 603-014-00-0	$10 \leq x < 13$	Acute Tox. 3 H331, Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315
EC 203-905-0		LD50 Oral: 1200 mg/kg, LC50 Inhalation vapours: 3 mg/l/4h
CAS 111-76-2		
REACH Reg. 01-2119475108-36		
2-AMINOETHANOL		
INDEX 603-030-00-8	$9 \leq x < 10$	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Chronic 3 H412
EC 205-483-3		STOT SE 3 H335: \geq 5%
CAS 141-43-5		LD50 Oral: 1089 mg/kg bw/day, STA Dermal: 1100 mg/kg, STA Inhalation vapours: 11 mg/l
REACH Reg. 01-2119486455-28		
BENZYL ALCOHOL		
INDEX 603-057-00-5	$5 \leq x < 6$	Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319
EC 202-859-9		LD50 Oral: 1620 mg/kg, STA Inhalation vapours: 11 mg/l
CAS 100-51-6		
REACH Reg. 01-2119492630-38		
SODIUM METASILICATE PENTAHYDRATE		
INDEX -	$4 \leq x < 5$	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335
EC 229-912-9		
CAS 10213-79-3		
REACH Reg. 01-2119449811-37-XXXX		
SODIUM P-CUMENESULPHONATE		
INDEX -	$3 \leq x < 4$	Eye Irrit. 2 H319
EC -		
CAS 15763-76-5		
REACH Reg. 01-2119489411-37-0004		

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SULFURIC ACID, MONO-C12-14-ALKYL ESTERS, SODIUM SALTS

INDEX -	$2 \leq x < 3$	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412
EC 287-809-4		Eye Dam. 1 H318: $\geq 20\%$, Eye Irrit. 2 H319: $\geq 10\%$
CAS 85586-07-8		STA Oral: 500 mg/kg

REACH Reg. 01-2119489463-28-xxxx

POTASSIUM COCOATE

INDEX -	$2 \leq x < 3$	Eye Irrit. 2 H319, Skin Irrit. 2 H315
EC 263-049-9		
CAS 61789-30-8		

HEXANE-1-OL, ETHOXYLATED

INDEX	$1 \leq x < 2$	Acute Tox. 4 H302, Eye Dam. 1 H318
EC -		LD50 Oral: >300 mg/kg
CAS 31726-34-8		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures


5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

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5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Avoid any source of ignition: heat, sparks, open flames.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.


SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

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7.3. Specific end use(s)


Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

AUS	Österreich	Gesamte Rechtsvorschrift für Grenzwerteverordnung 2021 , Fassung vom 17.06.2021
BEL	Belgique	Liste de valeurs limites d'exposition aux agents chimiques, livre VI du code du bien-être au travail
BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)
CHE	Suisse / Schweiz	Valeurs limites d'exposition aux postes de travail: VME/VLE (SUVA). Grenzwerte am Arbeitsplatz: MAK (SUVA)
CYP	Κύπρος	Οι περί Αζθάλειας και Υγείας ζήην Δπραζία (Φημικοί Πατάγονηερ) (Τποποποιητικοί) Κανονιζμοί ηος 2019. Οι περί Ασφάλειας και Υγείας στην Εργασία (Καρκινογόνοι και Μεταλλαζιογόνοι Παράγοντες) (Τροποποιητικοί) Κανονισμοί του 2020
CZE	Česká Republika	Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
EST	Eesti	Ohtlike kemikaalide ja neid sisaldavate materjalide kasutamise töötervishoiu ja tööohutuse nõuded ning töökeskonna keemiliste ohutegurite piirnormid [RT I, 17.10.2019, 1 - jõust. 17.01.2020]
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÄRDSMINISTERIETS PUBLIKATIONER 2020:25
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α' 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαζιγόνους παράγοντες κατά την εργασία``»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelele a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
IRL	Éire	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)
LUX	Luxembourg	Règlement grand-ducal du 24 janvier 2020 modifiant le règlement grand-ducal du 14 novembre 2016 concernant la protection des salariés contre les risques liés à l'exposition à des agents cancérogènes ou mutagènes au travail
LTU	Lietuva	Jsakymas dėl lietuvis higienos normos hn 23:2011 „cheminių medžiagų profesinio poveikio ribiniai dydžiai. Matavimo ir poveikio vertinimo bendrieji reikalavimai“ patvirtinimo
LVA	Latvija	Grozījumi Ministru kabineta 2007. gada 15. maija noteikumos Nr. 325 "Darba aizsardzības prasības saskarē ar ķīmiskajām vielām darba vietās" (prot. Nr. 32 18. §; prot. Nr. 1 22. §)
MLT	Malta	PROTECTION OF THE HEALTH AND SAFETY OF WORKERS FROM THE RISKS RELATED TO CHEMICAL AGENTS AT WORK REGULATIONS (S.L.424.24). PROTECTION OF WORKERS FROM THE RISKS RELATED TO EXPOSURE TO CARCINOGENS OR MUTAGENS AT WORK REGULATIONS (S.L.424.22)
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdi og grenseverdi for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdi), 21. august 2018 nr. 1255
NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit
PRT	Portugal	Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006


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SWE	Sverige	Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1) NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19) Kimyasal Maddelerle Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733 EH40/2005 Workplace exposure limits (Fourth Edition 2020) Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC. ACGIH 2022
SVK	Slovensko	
SVN	Slovenija	
TUR	Türkiye	
GBR	United Kingdom	
EU	OEL EU	
	TLV-ACGIH	


2-BUTOXYETHANOL


Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
MAK	AUS	98	20	200	40	SKIN	STEL:30', Häufigkeit/Sch:4x
VLEP	BEL	98	20	246	50	SKIN	
TLV	BGR	98	20	246	50	SKIN	
MAK	CHE	49	10	98	20	SKIN	
VME/VLE	CHE	49	10	98	20	SKIN	
TLV	CYP	98	20	246	50	SKIN	
TLV	CZE	100	20,7	200	41,4	SKIN	
AGW	DEU	49	10	98 (C)	20 (C)	SKIN	
MAK	DEU	49	10	98	20	SKIN	Hinweis
TLV	DNK	98	20			SKIN	E
VLA	ESP	98	20	245	50	SKIN	
TLV	EST	98	20	246	50	SKIN	
VLEP	FRA	49	10	246	50	SKIN	
HTP	FIN	98	20	250	50	SKIN	
TLV	GRC	120	25				
AK	HUN	98		246		SKIN	
GVI/KGVI	HRV	98	20	246	50	SKIN	
VLEP	ITA	98	20	246	50	SKIN	
OELV	IRL	98	20	246	50	SKIN	
VL	LUX	98	20	246	50	SKIN	
RD	LTU	50	10	100	20	SKIN	
RV	LVA	98	20	246	50	SKIN	
TLV	MLT	98	20	246	50	SKIN	
TLV	NOR	50	10			SKIN	
TGG	NLD	100		246		SKIN	
VLE	PRT	98	20	246	50	SKIN	
NDS/NDSch	POL	98		200		SKIN	
TLV	ROU	98	20	246	50	SKIN	
NGV/KGV	SWE	50	10	246	50	SKIN	

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NPEL	SVK	98	20	246	50	SKIN		
MV	SVN	98	20	246	50	SKIN		
ESD	TUR	98	20	246	50	SKIN		
WEL	GBR	123	25	246	50	SKIN		
OEL	EU	98	20	246	50	SKIN		
TLV-ACGIH		97	20					
Predicted no-effect concentration - PNEC								
Normal value in fresh water				8,8	mg/l			
Normal value in marine water				0,88	mg/l			
Normal value for fresh water sediment				34,6	mg/kg			
Normal value for marine water sediment				3,46	mg/kg			
Normal value for water, intermittent release				9,1	mg/l			
Normal value of STP microorganisms				463	mg/l			
Normal value for the food chain (secondary poisoning)				20	mg/kg			
Normal value for the terrestrial compartment				2,33	mg/kg			
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	26.7	26,7 mg/kg		6,3 mg/kg				
Inhalation	147 mg/m3	426 mg/m3		59 mg/m3	246 mg/m3	1091 mg/m3		98 mg/m3
2-AMINOETHANOL								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
MAK	AUS	2,5	1	7,6	3	SKIN	Häufigkeit pro Schicht:4x	
VLEP	BEL	2,5	1	7,6	3	SKIN		
TLV	BGR	2,5	1	7,6	3	SKIN		
MAK	CHE	5	2	10	4			
VME/VLE	CHE	5	2	10	4			
TLV	CZE	2,5	1,0025	7,5	3,0075			
AGW	DEU	0,5	0,2	0,5	0,2	SKIN		
MAK	DEU	0,51	0,2	0,51	0,2			
TLV	DNK	2,5	1			SKIN	E	
VLA	ESP	2,5	1	7,5	3	SKIN		
TLV	EST	2,5	1	7,6	3	SKIN		
VLEP	FRA	2,5	1	7,6	3	SKIN		
HTP	FIN	2,5	1	7,6	3	SKIN		
TLV	GRC	2,5	1	7,6	3			
AK	HUN	2,5		7,6		SKIN		
GVI/KGVI	HRV	2,5	1	7,6	3	SKIN		
VLEP	ITA	2,5	1	7,6	3	SKIN		

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OELV	IRL	2,5	1	7,6	3	SKIN		
VL	LUX	2,5	1	7,6	3	SKIN		
RD	LTU	2,5	1	7,6	3	SKIN		
RV	LVA	0,5	0,2	7,6	3	SKIN		
TLV	MLT	2,5	1	7,6	3	SKIN		
TLV	NOR	2,5	1			SKIN		
TGG	NLD	2,5		7,6		SKIN		
VLE	PRT	2,5	1	7,6	3	SKIN		
NDS/NDSch	POL	2,5		7,5		SKIN		
TLV	ROU	2,5	1	7,6	3	SKIN		
NGV/KGV	SWE	2,5	1	7,5	3	SKIN		
NPEL	SVK	2,5	1	7,6	3	SKIN		
MV	SVN	2,5	1	7,6	3	SKIN		
WEL	GBR	2,5	1	7,6	3	SKIN		
OEL	EU	2,5	1	7,6	3	SKIN		
TLV-ACGIH		7,5	3	15	6			
Predicted no-effect concentration - PNEC								
Normal value in fresh water				85	mg/l			
Normal value in marine water				9	mg/l			
Normal value for fresh water sediment				434	mg/kg/d			
Normal value for marine water sediment				43	mg/kg/d			
Normal value for water, intermittent release				2	mg/l			
Normal value of STP microorganisms				100	mg/l			
Normal value for the terrestrial compartment				37	mg/kg/d			
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				3.75 mg/kg bw/d				
Inhalation			2 mg/m3				3.3 mg/m3	
Skin				0.24 mg/kg bw/d				1 mg/kg bw/d
BENZYL ALCOHOL								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
TLV	BGR	5						
MAK	CHE	22	5			SKIN		
VME/VLE	CHE	22	5			SKIN		
TLV	CZE	40	9,04	80	18,08			
AGW	DEU	22	5	44	10	SKIN 11		
HTP	FIN	45	10					
RD	LTU	5				SKIN		

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RV	LVA	5							
NDS/NDSch	POL	240							
MV	SVN	22	5	44	10	SKIN			
Predicted no-effect concentration - PNEC									
Normal value in fresh water				1	mg/l				
Normal value in marine water				0,1	mg/l				
Normal value for fresh water sediment				5,27	mg/kg				
Normal value for marine water sediment				0,527	mg/kg				
Normal value for water, intermittent release				2,3	mg/l				
Normal value of STP microorganisms				39	mg/l				
Normal value for the terrestrial compartment				0,456	mg/kg				
Health - Derived no-effect level - DNEL / DMEL									
	Effects on consumers			Effects on workers					
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic	
Oral		20 mg/kg bw/d		4 mg/kg bw/d					
Inhalation		27 mg/m3		5,4 mg/m3		110 mg/m3		22 mg/m3	
Skin		20 mg/kg bw/d		4 mg/kg bw/d		40 mg/kg bw/d		8 mg/kg bw/d	
SODIUM METASILICATE PENTAHYDRATE									
Predicted no-effect concentration - PNEC									
Normal value in fresh water				75	mg/l				
Normal value in marine water				1	mg/l				
Normal value for water, intermittent release				75	mg/l				
Normal value of STP microorganisms				1000	mg/l				
Health - Derived no-effect level - DNEL / DMEL									
	Effects on consumers			Effects on workers					
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic	
Oral				0.74 mg/kg bw/d					
Inhalation				1.55 mg/m3				6.22 mg/m3	
Skin				0.74 mg/kg bw/d				1.49 mg/kg bw/d	
SODIUM P-CUMENESULPHONATE									
Predicted no-effect concentration - PNEC									
Normal value in fresh water				23	mg/l				
Normal value for water, intermittent release				23	mg/l				
Normal value of STP microorganisms				100	mg/l				
Health - Derived no-effect level - DNEL / DMEL									
	Effects on consumers			Effects on workers					
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic	
Oral								3.8 mg/kg bw/d	
Inhalation				13.2 mg/m3				53.6 mg/m3	
Skin				3.8 mg/kg				7.6 mg/kg	

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bw/d					bw/d			
SULFURIC ACID, MONO-C12-14-ALKYL ESTERS, SODIUM SALTS								
Predicted no-effect concentration - PNEC								
Normal value in fresh water		131			mg/l			
Normal value in marine water		13			mg/l			
Normal value for marine water sediment		461			mg/kg			
Normal value for the terrestrial compartment		846			mg/kg			
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				24 mg/kg bw/d				
Inhalation				85 mg/m3				285 mg/m3
Skin				2440 mg/kg bw/d				4060 mg/kg bw/d
1H-PYRAZOLE-3-CARBOXYL ACID, 4,5-DIHYDRO-5-BONE-1- (4-SULFOFENIL) -4- [2- (4-SULFOFENIL) DIAZENIL] -, SODIUM SALT (1: 3)								
Predicted no-effect concentration - PNEC								
Normal value in fresh water		0,12			mg/l			
Normal value in marine water		0,012			mg/l			
Normal value for fresh water sediment		0,46992			mg/kg dw			
Normal value for marine water sediment		0,046992			mg/kg dw			
Normal value for water, intermittent release		0,0012			mg/l			
Normal value of STP microorganisms		10			mg/l			
Normal value for the terrestrial compartment		0,02353			mg/kg dw			
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,02641 mg/kg bw/d				
Inhalation				0,09186 mg/m3				0,37252 mg/m3
Skin				0,02641 mg/kg bw/d				0,05282 mg/kg bw/d

Legend:
(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.


8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

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HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.


ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	Method:visual
Colour	yellow	
Odour	characteristic	Method:own
Odour threshold	0,1 - 0,48 ppm	Substance:2-BUTOXYETHANOL
Melting point / freezing point	< -5 °C	Method:own
Initial boiling point	> 100 °C	Method:own
Flammability	not flammable	Remark:it does not contain substances classified as flammable
Lower explosive limit	not available	Concentration: 1,1 % Substance:2-BUTOXYETHANOL
Upper explosive limit	not available	Concentration: 10,6 % Substance:2-BUTOXYETHANOL
Flash point	> 60 °C	Remark:it does not contain substances classified as flammable
Auto-ignition temperature	232 °C	Method:DIN EN 14522 Substance:2-BUTOXYETHANOL
Decomposition temperature	not available	
pH	13,50 ± 0,50	Method:own instrument: METTLER TOLEDO SEVEN GO electrode: METTLER TOLEDO InLab 413 SG / 2m IP67
Kinematic viscosity	4,7 mm ² /s	Method:Calculation
Dynamic viscosity	5,0 cP	Method:BROOKFIELD DV1 LV (spindle=1 / speed=100 / T=20°C)
Solubility	soluble in water in any ratio	Method:own
Partition coefficient: n-octanol/water	not applicable	Reason for missing data:The product is a blend
Vapour pressure	15,77 mmHg	Method:calculation
Density and/or relative density	1,01 - 1,12 g/cm ³	
Relative vapour density	4,08 (air = 1)	Substance:2-BUTOXYETHANOL
Particle characteristics	not applicable	

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9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU) 22,20 % - 235,76 g/litre

VOC (volatile carbon) 11,48 % - 121,92 g/litre

Explosive properties not explosive

Oxidising properties not oxidizing

Remark:it does not contain substances classified as explosive

Remark:it does not contain substances classified as oxidizing

SECTION 10. Stability and reactivity

10.1. Reactivity

Aqueous solutions act as: strong bases. Corrode: aluminum, zinc, tin, aluminum alloys, zinc alloys, tin alloys.

There are no particular risks of reaction with other substances in normal conditions of use.

BENZYL ALCOHOL

Decomposes at temperatures above 870°C/1598°F.Possibility of explosion.

SODIUM METASILICATE PENTAHYDRATE

The aqueous solutions act as: strong bases.Corrodes: aluminium,zinc,tin,aluminium alloys,zinc alloys,tin alloys.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

May react: acrylonitrile, chloroepoxypropane, chlorosulfuric acid, hydrogen chloride, iron-sulfur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulfuric acid, strong acids, vinyl acetate, cellulose nitrate, hydrobromic acid, iron, agents oxidants, sulfuric acid, phosphorus trichloride, aluminum, zinc, tin, copper and their alloys producing hydrogen


No hazardous reactions are foreseeable in normal conditions of use and storage.

2-BUTOXYETHANOL

Reactions with light metals with formation of hydrogen. Reactions with strong oxidizing agents

2-AMINOETHANOL

May react dangerously with: acrylonitrile,chloroepoxypropane,chlorosulphuric acid,hydrogen chloride,iron-sulphur compounds,acetic acid,acetic anhydride,mesityl oxide,nitric acid,sulphuric acid,strong acids,vinyl acetate,cellulose nitrate.

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BENZYL ALCOHOL

May react dangerously with: hydrobromic acid, iron, oxidizing agents, sulfuric acid. Risk of explosion on contact with: phosphorus trichloride.

SODIUM METASILICATE PENTAHYDRATE

Reacts violently with: acids.

10.4. Conditions to avoid

Avoid exposure to: air, heat sources.

None in particular. However the usual precautions used for chemical products should be respected.

2-AMINOETHANOL

Avoid exposure to: air, sources of heat.

BENZYL ALCOHOL

Avoid exposure to: air, sources of heat, naked flames.

10.5. Incompatible materials

Incompatible with: iron, strong acids, strong oxidants, sulfuric acid, oxidizing substances, aluminum, zinc, tin, copper and their alloys

2-BUTOXYETHANOL

Materials to avoid: strong oxidants

2-AMINOETHANOL

Incompatible with: iron, strong acids, strong oxidants.

BENZYL ALCOHOL


Incompatible with: sulfuric acid, oxidizing substances

10.6. Hazardous decomposition products

It can develop: nitrogen oxides, carbon oxides.

2-AMINOETHANOL

May develop: nitric oxide, carbon oxides.

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SECTION 11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation - vapours) of the mixture:	17,28 mg/l
ATE (Oral) of the mixture:	>2000 mg/kg
ATE (Dermal) of the mixture:	>2000 mg/kg

2-BUTOXYETHANOL

LD50 (Dermal):	> 2000 mg/kg bw/day guinea pig(OECD 402)
LD50 (Oral):	1200 mg/kg guinea pig (Linea Guida OECD 401)
LC50 (Inhalation vapours):	3 mg/l/4h Rat

2-AMINOETHANOL


LD50 (Dermal):	2504 mg/kg bw/day coniglio (OCSE 402)
STA (Dermal):	1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
LD50 (Oral):	1089 mg/kg bw/day ratto (OCSE 401)
LC50 (Inhalation vapours):	> 13 mg/l/6h ratto


BENZYL ALCOHOL

LD50 (Dermal):	2000 mg/kg coniglio
LD50 (Oral):	1620 mg/kg ratto (maschio)
LC50 (Inhalation vapours):	> 4,178 mg/l/4h ratto (OCSE 403)
STA (Inhalation vapours):	11 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

SODIUM METASILICATE PENTAHYDRATE

LD50 (Dermal):	> 5000 mg/kg/bw ratto
LD50 (Oral):	1152 mg/kg ratto
LC50 (Inhalation vapours):	> 206 g/m3 ratto

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<p>SODIUM P-CUMENESULPHONATE</p> <p>LD50 (Dermal): > 2000 mg/kg coniglio LD50 (Oral): > 7000 mg/kg ratto LC50 (Inhalation vapours): > 641 mg/l/4h ratto</p> <p>SULFURIC ACID, MONO-C12-14-ALKYL ESTERS, SODIUM SALTS</p> <p>STA (Oral): 500 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)</p> <p>POTASSIUM COCOATE</p> <p>LD50 (Oral): > 2000 mg/kg</p> <p>HEXANE-1-OL, ETHOXYLATED</p> <p>LD50 (Dermal): > 2000 mg/kg ratto (OECD - linea guida 402) LD50 (Oral): > 300 mg/kg ratto (OECD-Linea guida 423)</p> <p><u>SKIN CORROSION / IRRITATION</u></p> <p>Corrosive for the skin</p> <p>Classification according to the experimental pH value</p> <p><u>SERIOUS EYE DAMAGE / IRRITATION</u></p> <p>Causes serious eye damage</p> <p><u>RESPIRATORY OR SKIN SENSITISATION</u></p> <p>Does not meet the classification criteria for this hazard class</p> <p><u>GERM CELL MUTAGENICITY</u></p> <p>Does not meet the classification criteria for this hazard class</p> <p><u>CARCINOGENICITY</u></p> <p>Does not meet the classification criteria for this hazard class</p> <p><u>REPRODUCTIVE TOXICITY</u></p> <p>Does not meet the classification criteria for this hazard class</p> <p><u>STOT - SINGLE EXPOSURE</u></p> <p>May cause respiratory irritation</p>		

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STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

12.1. Toxicity

BENZYL ALCOHOL

LC50 - for Fish	460 mg/l/96h Pimephales promelas
EC50 - for Crustacea	230 mg/l/48h Daphnia magna (OCSE 202)
EC50 - for Algae / Aquatic Plants	770 mg/l/72h Pseudokirchneriella subcapitata (OCSE 201)
Chronic NOEC for Crustacea	51 mg/l 21d Daphnia magna (OCSE 211)

SODIUM METASILICATE PENTAHYDRATE

LC50 - for Fish	210 mg/l/96h brachydanio rerio
EC50 - for Crustacea	1700 mg/l/48h Daphnia magna

2-BUTOXYETHANOL

LC50 - for Fish	1474 mg/l/96h Oncorhynchus mykiss (OECD 203)
EC50 - for Crustacea	1550 mg/l/48h Daphnia magna (OECD 202)
EC50 - for Algae / Aquatic Plants	1840 mg/l/72h Pseudokirchneriella subcapitata (OECD 201)
Chronic NOEC for Fish	> 100 mg/l 21d Brachydanio rerio (OECD 204)
Chronic NOEC for Crustacea	100 mg/l Daphnia magna (OECD 211)


2-AMINOETHANOL

LC50 - for Fish	349 mg/l/96h Cyprinus carpio
EC50 - for Crustacea	65 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	28 mg/l/72h Pseudokirchneriella subcapitata (OCSE 201)
Chronic NOEC for Fish	124 mg/l Oryzias latipes (OCSE 210)
Chronic NOEC for Crustacea	85 mg/l 21d Daphnia magna

SODIUM P-CUMENESULPHONATE

LC50 - for Fish	1000 mg/l/96h Oncorhynchus mykiss (EPA OTS 797.1400)
EC50 - for Crustacea	1000 mg/l/48h Daphnia Magna (EPA OTS 797.1300)
EC50 - for Algae / Aquatic Plants	> 230 mg/l/96h Selenastrum capricornutum (EPA OTS 797.1050)
Chronic NOEC for Algae / Aquatic Plants	31 mg/l/96h Selenastrum capricornutum (EPA OTS 797.1050)

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<p>HEXANE-1-OL, ETHOXYLATED</p> <p>LC50 - for Fish > 100 mg/l/96h Brachydanio rerio (OECD 203; ISO 7346; 84/449/CEE, C.1)</p> <p>EC50 - for Crustacea > 100 mg/l/48h Daphnia magna (OECD - linea guida 202, parte 1)</p> <p>EC50 - for Algae / Aquatic Plants > 100 mg/l/72h Scenedesmus subspicatus (Direttiva 92/69/CEE, C.3)</p> <p>EC10 for Algae / Aquatic Plants > 100 mg/l/72h Scenedesmus subspicatus (Direttiva 92/69/CEE, C.3)</p> <p>POTASSIUM COCOATE</p> <p>LC50 - for Fish > 1 mg/l/96h</p> <p>EC50 - for Crustacea > 1 mg/l/48h</p> <p>EC50 - for Algae / Aquatic Plants > 1 mg/l/72h</p> <p>SULFURIC ACID, MONO-C12-14-ALKYL ESTERS, SODIUM SALTS</p> <p>LC50 - for Fish 36 mg/l/96h OECD 203</p> <p>EC50 - for Crustacea 47 mg/l/48h Dafnie (EG/92/69/EWG)</p> <p>EC50 - for Algae / Aquatic Plants > 20 mg/l/72h UE EC C.3</p> <p>Chronic NOEC for Fish 1357 mg/l Durata h: 1008 - Read across</p> <p>Chronic NOEC for Algae / Aquatic Plants 6 mg/l/72h UE EC C.3</p> <p>12.2. Persistence and degradability</p> <p>BENZYL ALCOHOL</p> <p>Rapidly degradable</p> <p>SODIUM METASILICATE PENTAHYDRATE</p> <p>Rapidly degradable</p> <p>2-BUTOXYETHANOL</p> <p>Rapidly degradable</p> <p>2-AMINOETHANOL</p> <p>Solubility in water 1000 g/l</p> <p>Rapidly degradable</p> <p>SODIUM P-CUMENESULPHONATE</p> <p>Rapidly degradable</p> <p>HEXANE-1-OL, ETHOXYLATED</p> <p>Rapidly degradable</p> <p>POTASSIUM COCOATE</p> <p>Rapidly degradable</p> <p>SULFURIC ACID, MONO-C12-14-ALKYL ESTERS, SODIUM SALTS</p> <p>Rapidly degradable</p>		

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12.3. Bioaccumulative potential

BENZYL ALCOHOL

Partition coefficient: n-octanol/water 1,05

BCF 1,37

2-BUTOXYETHANOL

Partition coefficient: n-octanol/water 0,81 Log Kow

2-AMINOETHANOL

Partition coefficient: n-octanol/water -1,91

SODIUM P-CUMENESULPHONATE

Partition coefficient: n-octanol/water -3,12

BCF < 2,3

12.4. Mobility in soil

2-BUTOXYETHANOL

Partition coefficient: soil/water 0,45

2-AMINOETHANOL

Partition coefficient: soil/water -0,78

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods


Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

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SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: 1760

14.2. UN proper shipping name

ADR / RID: CORROSIVE LIQUID, N.O.S. (2-AMINOETHANOL; SODIUM METASILICATE PENTAHYDRATE)

IMDG: CORROSIVE LIQUID, N.O.S. (2-AMINOETHANOL; SODIUM METASILICATE PENTAHYDRATE)

IATA: CORROSIVE LIQUID, N.O.S. (2-AMINOETHANOL; SODIUM METASILICATE PENTAHYDRATE)

14.3. Transport hazard class(es)

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 80

Special provision: 274

IMDG: EMS: F-A, S-B

IATA: Cargo:

Passengers:

Special provision:

Limited
Quantities: 5
L


Limited
Quantities: 5
L
Maximum
quantity: 60 L

Maximum
quantity: 5 L

A3, A803

Tunnel
restriction
code: (E)

Packaging
instructions:
856
Packaging
instructions:
852

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14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:


None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

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Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.


SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H290	May be corrosive to metals.
H331	Toxic if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

Use descriptor system:

ERC	8a	Widespread use of non- reactive processing aid (no inclusion into or onto article, indoor)
ERC	8d	Widespread use of non- reactive processing aid (no inclusion into or onto article, outdoor)
LCS	PW	Widespread use by professional workers
PC	35	Washing and cleaning products
PROC	10	Roller application or brushing
PROC	8a	Transfer of substance or mixture (charging and discharging) at non- dedicated facilities


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LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
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 17. Regulation (EU) 2019/1148
 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
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 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

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Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.


Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 06 / 08 / 09 / 10 / 11 / 12 / 14 / 15 / 16.

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SUMI Safe Use of Mixtures Information



AISE_SUMI_PW_8a_1_G
Version 1.1, August 2018

Transfer of product to a container (bottle/bucket/machine)

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels



General description of the process covered


This SUMI applies to professional uses where the product is transferred to or diluted in a container, such as a dispenser, bottle or bucket. Safe Use Information is based on the **AISE_SWED_PW_8a_1_L** and **AISE_SWED_PW_8a_1_S**.

Operational Conditions

Maximum duration	60 minutes per day.
Range of application / Process conditions	Indoor Use.
	Process carried out at room temperature.
	In case of dilution, tap water at a maximum temperature of 45°C is used.
Air exchange rate	Provide a basic standard of general ventilation (1 to 3 air changes per hour). No LEV required.

Risk Management Measures

Measures related to personal protective equipment (PPE), hygiene and health evaluation.	Wear suitable gloves and eye protection. See section 8 of the SDS of this product for specifications.  
	Training of workers in relation to proper use and maintenance of PPEs must be ensured.
Environmental measures	Prevent that undiluted product reaches surface waters.
	If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant.

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Additional good practice advice


Don't eat or drink. Don't smoke. Don't use in proximity of open flame.	
Wash hands after use. Avoid contact with damaged skin. Do not mix with other products.	
Spillage instructions	Dilute with fresh water and mop up.
Hygiene practices	Follow the product instructions as specified on the label or in the product information sheet and use good occupational hygiene practices as specified in Section 7 of the product SDS.

Additional information depending on product composition

The label and (when required) the Safety Data Sheet contain additional, product specific information crucial for working safely with mixtures. Please refer to the product label and SDS for information including, but not limited to: product hazard classification, potentially allergenic fragrances, notable ingredients and threshold limit values (when available).

Disclaimer

This is a document for communicating generic conditions of safe use of a product. It is the responsibility of the formulator to link this SUMI to the SDS of a specific product that he is selling. If a SUMI (or associated SWED) code is mentioned in the SDS of a product, the formulator of that product declares that all substances in the mixture are present in such concentration, that the use of the product within the conditions of the SUMI is safe. When available, this safe use is ensured by evaluating the results of the chemical safety assessments as performed by the raw material suppliers. When no chemical safety assessment has been carried out by the supplier for an ingredient that contributes to the classification of the mixture, the formulator has performed a safety assessment himself. Following Occupational Health legislation, the employer of workers that use products that are assessed as safe following SUMI conditions remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. This document is provided by A.I.S.E. for general information purposes only. The formulator uses the content of this document at its sole risk. A.I.S.E. disclaims any liability to any person or entity for any loss, damage no matter of what kind (actual, consequential, punitive or otherwise), injury, claim, liability or other cause of any kind or character based upon or resulting from the use (even partly) of the content of this document..

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SUMI Safe Use of Mixtures Information

AISE_SUMI_PW_10_2_G
Version 1.1, August 2018

Professional uses; Brushing after trigger spraying or brushing with tools

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and labels.


General description of the process covered


This SUMI applies to professional uses where the product is brushed on a surface, with limited exposure to the hands, either after trigger spraying or through the use of tools such as a mop. This Safe Use Information is based on the **AISE_SWED_PW_10_2**.

Operational Conditions

Maximum duration	480 minutes per day.
Range of application / Process conditions	Indoor Use.
	Process carried out at room temperature.
	In case of dilution, tap water at a maximum temperature of 45°C is used.
Air exchange rate	Provide a basic standard of general ventilation (1 to 3 air changes per hour). No LEV required.

Risk Management Measures

Measures related to personal protective equipment (PPE), hygiene and health evaluation.	Wear suitable gloves and eye protection. See section 8 of the SDS of this product for specifications.. 
	Training of workers in relation to proper use and maintenance of PPEs must be ensured.
Environmental measures	Prevent that undiluted product reaches surface waters
	If appropriate AISE SPERC 8a.1.a.v2 may apply: wide dispersive use resulting in release to municipal sewage treatment plant.

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Additional good practice advice


Don't eat or drink. Don't smoke. Don't use in proximity of open flame.	
Wash hands after use. Avoid contact with damaged skin. Do not mix with other products	
Spillage instructions	Dilute with fresh water and mop up.
Hygiene practices	Follow the product instructions as specified on the label or in the product information sheet and use good occupational hygiene practices as specified in Section 7 of the product SDS.

Additional information depending on product composition

The label and (when required) the Safety Data Sheet contain additional, product specific information crucial for working safely with mixtures. Please refer to the product label and SDS for information including, but not limited to: product hazard classification, potentially allergenic fragrances, notable ingredients and threshold limit values (when available).

Disclaimer

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WORKING INSTRUCTION SHEET

The purpose of this sheet is to provide the personnel carrying out the cleaning operations with instructions for an appropriate and safe use of the products and for the correct management of emergency situations.

Operation planned	Transfer of substance or mixture (charging and discharging) at non- dedicated facilities [PROC8a]; Roller application or brushing [PROC10];
Product name	B-XTREME HD CLEANER CK
Risks of the product as it is	H290 May be corrosive to metals. H332 Harmful if inhaled. H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.
Risks of the product at the concentrations of use (3% w/w)	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage
Risks of the product at the concentrations of use (20% w/w)	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.
Handling of the product: as it is; concentrations of use (3% - 20%)	Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas
PPE required For product as it is (transfer, concentrated use); concentrations of use (3% - 20%)	Protect hands with category III work gloves (see standard EN 374 Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344 Wear airtight protective goggles (see standard EN 166).
In case of emergency (accidents involving exposure to the product)	Inform the client immediately. Immediately notify the employer. Contact the Anti-Poison Center listed in section 1.4 of the SDS
In case of accidental spillage of large quantities In concentrated form	Wear gloves, goggles and protective clothing (for specifics refer to section 8.2. Of the SDS). Suck up the leaked product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking the sect. 10 of the SDS. Absorb the remainder with inert absorbent material. Provide sufficient ventilation of the place affected by the leak. The disposal of contaminated material must be carried out in accordance with the provisions of section 13 of the SDS
In case of accidental spillage of large quantities at the maximum use concentration (3% - 20%)	Wear gloves, goggles and protective clothing (for specifics refer to section 8.2. Of the SDS of the product as it is). Suck up the leaked product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking the sect. 10 of the SDS of the product as it is. Absorb the remainder with inert absorbent material. Provide sufficient ventilation of the place affected by the leak. The disposal of contaminated material must be carried out in accordance with the provisions of section 13 of the SDS of the product as it is
Product storage	Keep only in the original container. Keep the containers closed, in a well-ventilated place, away from direct sunlight. Keep the containers away from any incompatible materials, checking the sect. 10 of the SDS
In case of accidents, emergencies or fire in the work area	Immediately notify the client, the employer. Follow the instructions for emergencies. Follow the instructions in sect. 5 of the SDS