

DRUCKFARBEN HELLAS SA

Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 1 / 17 Replaced revision:1 (Dated 28/08/2017) ΕN

KRAFT ROAD LINER White

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: CK202960001 Product name **KRAFT ROAD LINER White** UFI · 3AS0-G0KR-K00H-145W 1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Acrylic Road Striping Paint 1.3. Details of the supplier of the safety data sheet DRUCKFARBEN HELLAS SA Name Full address MEGARIDOS AVENUE District and Country 19300 **ASPROPYRGOS** (ATTIKI) GREECE Tel. +30 210 5519500 Fax +30 210 5519501 e-mail address of the competent person responsible for the Safety Data Sheet psafety@druckfarben.gr 1.4. Emergency telephone number For urgent inquiries refer to 0030-210-7793777

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:		
Flammable liquid, category 2	H225	Highly flammable liquid and vapour.
Reproductive toxicity, category 2	H361d	Suspected of damaging the unborn child.
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Skin sensitization, category 1A	H317	May cause an allergic skin reaction.
Specific target organ toxicity - single exposure,	H336	May cause drowsiness or dizziness.
category 3		

2.2. Label elements

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



Signal words:

Danger

Hazard statements: H225

Highly flammable liquid and vapour.



Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 2 / 17 Replaced revision:1 (Dated 28/08/2017)

S

ECTION 2. Hazards id	entification / >>
H361d	Suspected of damaging the unborn child.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
Precautionary statement	S:
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P370+P378	In case of fire: use alcohol resistant foam to extinguish.
P501	Dispose of contents / container to an approved waste disposal plant or recycled in accordance with local / national / international regulations.
P102	Keep out of reach of children.
P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
P312	Call a POISON CENTRE / doctor, if you feel unwell.
Contains:	Toluene

Fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine Acetone Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics N-Butyl Acrylate

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

3.2. Mixtures

Contains:

Identification		x = Conc. %	Classification (EC) 1272/2008 (CLP)
TITANIUM DIC	XIDE		
INDEX		9≤x< 30	
EC	236-675-5		
CAS	13463-67-7		
REACH Reg.	01-2119489379-17	-0000	01-2119489379-17-0197
Acetone			
INDEX	606-001-00-8	10 ≤ x < 20	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC	200-662-2		
CAS	67-64-1		
REACH Reg.	01-2119471330-49	-0003	
Toluene			
INDEX		9≤x< 10	Flam. Liq. 2 H225, Repr. 2 H361d, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 3 H412
EC	203-625-9		
CAS	108-88-3		
REACH Reg.	01-2119471310-51		
Reaction mas	s of Ethylbenzene a	and Xylene	
INDEX	-	1≤x< 5	Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Chronic 3 H412
EC	905-588-0		STA Dermal: 1100 mg/kg. STA Inhalation mists/powders: 1.5 mg/l. STA
			Inhalation vapours: 11 mg/l
CAS			5
REACH Reg.	01-2119486136-34	01-2119539452-40	01-2119539452-40-0055
Hydrocarbons	, C9-C11, n-alkanes	s, isoalkanes, cyclic	cs. <2% aromatics
INDEX	649-327-00-6	1≤x< 5	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H336, EUH066, Classification note according to Annex VI to the CLP Regulation: P
EC	919-857-5		
CAS	64742-48-9		



DRUCKFARBEN HELLAS SA

KRAFT ROAD LINER White

Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 3 / 17 Replaced revision:1 (Dated 28/08/2017)

SECTION 3. Co	omposition/inform	nation of	on ingredients	s/>>
REACH Reg.	01-2119463258-33			
Fatty acids, C	18, unsatd., dimers	, reactio	on products wit	th N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine
INDEX		0,1 ≤ x	< 0,5	Skin Sens. 1A H317
EC	605-296-0			
CAS	162627-17-0			
REACH Reg.	01-2119970640-38-	-0000		
N-Butyl Acryla	ate			
INDEX		0 ≤ x <	0,5	Flam. Liq. 3 H226, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1 H317, Classification note according to Annex VI to the CLP Regulation: D
EC	205-480-7			STOT SE 3 H335: ≥ 10%
CAS	141-32-2			LC50 Inhalation vapours: 10,3 mg/l/4h
REACH Reg.	01-21194553155-4	3		• • •
1-Methoxy-2-F	Propanol			
INDEX	603-064-00-3	0 ≤ x <	0,5	Flam. Liq. 3 H226, STOT SE 3 H336
EC	203-539-1			•
CAS	107-98-2			
REACH Reg.	01-2119457435-35			
Styrene				
INDEX		0 ≤ x <	0,5	Flam. Liq. 3 H226, Repr. 2 H361d, Acute Tox. 4 H332, STOT RE 1 H372, Asp. Tox. 1 H304, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Classification note according to Annex VI to the CLP Regulation: D
EC	202-851-5			LC50 Inhalation vapours: 11,8 mg/l/4h
CAS	100-42-5			
REACH Reg.	01-2119457861-32			
N-BUTYL ACE	TATE			
INDEX	607-025-00-1	0 ≤ x <	0,5	Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
EC	204-658-1			
CAS	123-86-4			
Xylene				
INDEX	601-022-00-9	0 ≤ x <	0,5	Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Chronic 3 H412, Classification note according to Annex VI to the CLP Regulation: C
EC	215-535-7			STA Dermal: 1100 mg/kg, STA Inhalation vapours: 11 mg/l
CAS	1330-20-7			
REACH Reg.	01-2119488216-32			
Quartz (Cryst	alline Silica)			
INDEX	,	0 ≤ x <	0,5	Substance with a community workplace exposure limit.
EC	238-878-4			· · ·
CAS	14808-60-7			
-				

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 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

ΕN



ΕN

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Excess pressure may form in containers exposed to fire at a risk of explosion. 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.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

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

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

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. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.



ΕN

SECTION 7. Handling and storage ... / >>

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory	references:	
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.)
DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58
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 μεταλλαξιγόνους παράγοντες κατά την εργασία''»
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
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	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.
	TLV-ACGIH	ACGIH 2023

				~	yiene	
Threshold Limit \	/alue					
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	221	50	442	100	SKIN
AGW	DEU	440	100	880	200	SKIN
MAK	DEU	440	100	880	200	SKIN
TLV	GRC	435	100	650	150	
TLV	ROU	221	50	442	100	SKIN
WEL	GBR	220	50	441	100	SKIN
OEL	EU	221	50	442	100	SKIN
TLV-ACGIH		434	100	651	150	

Quartz (Crystalline Silica)								
Threshold Lim	it Value							
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
TLV	ROU	0,1				RESP		
OEL	EU	0,1				RESP		
TLV-ACGIH		0,025				RESP		

Acetone									
Threshold Limit Value									
Туре	Country	TWA/8h		STEL/15n	nin	Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
TLV	BGR	600		1400					
AGW	DEU	1200	500	2400 (C)	1000 (C)				
MAK	DEU	1200	500	2400	1000				
TLV	GRC	1780		3560					
TLV	ROU	1210	500						
WEL	GBR	1210	500	3620	1500				
OEL	EU	1210	500						
TLV-ACGIH			250		500				



Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 6 / 17 Replaced revision:1 (Dated 28/08/2017)

SECTION 8. Exposure controls/personal protection ... / >>

				1-Methox	y-2-Propa	anol
Threshold Limit	Value					
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	375	100	568	150	SKIN
AGW	DEU	370	100	740	200	
MAK	DEU	370	100	740	200	
TLV	GRC	360	100	1080	300	
TLV	ROU	375	100	568	150	SKIN
WEL	GBR	375	100	560	150	SKIN
OEL	EU	375	100	568	150	SKIN
TLV-ACGIH		184	50	368	100	

				Тс	oluene				
Threshold Limit Value									
Туре	Country	TWA/8h		STEL/15r	min	Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
TLV	BGR	192	50	384	100	SKIN			
AGW	DEU	190	50	760	200	SKIN			
MAK	DEU	190	50	380	100	SKIN			
TLV	GRC	192	50	384	100				
TLV	ROU	192	50	384	100	SKIN			
WEL	GBR	191	50	384	100	SKIN			
OEL	EU	192	50	384	100	SKIN			
TLV-ACGIH			20						

N-Butyl Acrylate									
Threshold Limit	Value								
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
TLV	BGR	11	2	53	10				
AGW	DEU	11	2	22	4				
MAK	DEU	11	2	22	4	SKIN			
TLV	GRC	55	10						
TLV	ROU	11	2	53	10				
WEL	GBR	5	1	26	5				
OEL	EU	11	2	53	10				
TLV-ACGIH		10	2						

Styrene									
Threshold Limit	Value								
Туре	Country	TWA/8h		STEL/15r	nin	Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
TLV	BGR	85		215					
AGW	DEU	86	20	172	40				
MAK	DEU	86	20	172	40				
TLV	GRC	425	100	1050	250				
TLV	ROU	50	12	150	35				
WEL	GBR	430	100	1080	250				
TLV-ACGIH		10		20					

				TITANI				
Threshold Limit \	/alue							
Туре	Country	TWA/8h		STEL/15	min	Remarks / C	Observations	
		mg/m3	ppm	mg/m3	ppm			
TLV	BGR	10				RESP		
MAK	DEU	0,3		2,4		RESP	Hinweis	
TLV	GRC		10					
TLV	ROU	10		15				
WEL	GBR	10				INHAL		
WEL	GBR	4				RESP		
TLV-ACGIH		0,2				RESP		



ΕN

SECTION 8. Exposure controls/personal protection ... / >>

N-BUTYL ACETATE

Threshold Limit	Value					
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	710		950		
AGW	DEU	300	62	600	124	
MAK	DEU	480	100	960	200	
TLV	GRC	710	150	950	200	
TLV	ROU	241	50	723	150	
WEL	GBR	724	150	966	200	
OEL	EU	241	50	723	150	
TLV-ACGIH			50		150	

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Thre	shold Limit Va	alue								
Т	уре	Country	TWA/8h		STEL/15	min	Remarks / O	oservations		
			mg/m3	ppm	mg/m3	ppm				
Т	LV	GRC	1200							
Heal	th - Derived no	o-effect le	vel - DNEL	/ DMEL						
		Eff	ects on cons	sumers			Effects on wor	kers		
R	oute of exposu	re Ac	ute Ao	cute	Chronic	Chronic	Acute local	Acute	Chronic	Chronic
		loc	al sy	stemic	local	systemic		systemic	local	systemic
C	Iral				VND	300				
						mg/kg/d				
lr	nhalation				VND	900	VND	1500		
						mg/m3		mg/m3		
S	kin				VND	300			VND	300
						mg/kg/d				mg/kg/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.

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.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

RESPIRATORY PROTECTION

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. Use a mask with a type AX filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

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.



Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 8 / 17 Replaced revision:1 (Dated 28/08/2017) ΕN

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

PropertiesAppearanceColourOdourMelting point / freezing pointInitial boiling pointFlammabilityLower explosive limitUpper explosive limitFlash pointAuto-ignition temperatureDecomposition temperaturepHKinematic viscosityDynamic viscositySolubilityPartition coefficient: n-octanol/waterVapour pressureDensity and/or relative densityRelative vapour densityParticle characteristics	Value liquid white characteristic not available 35 °C not available not available not available not available not available not available 350-450 mm2/s 70-80 KU not available not available	°C g/cm3	Information Temperature: 25 °C Temperature: 25 °C Reason for missing data:substance/mixture is non-soluble (in water) Method:Converting Formula from Dynamic Viscosity & Density Temperature: 25 °C Method:ASTM D 562-05 Temperature: 25 °C Method:ISO 2811 Temperature: 25 °C
9.2. Other information			
9.2.1. Information with regard to physical hazard cla	asses		
Information not available			
9.2.2. Other safety characteristics			
Total solids (250°C / 482°F)	60,86 %		
SECTION 10. Stability and reactivity			
10.1. Reactivity			
 There are no particular risks of reaction with other set Acetone Decomposes under the effect of heat. 1-Methoxy-2-Propanol Dissolves various plastic materials.Stable in norr Absorbs and disolves in water and in organic sol 	ubstances in norm nal conditions of us vents. With air it m	al conditions of use. se and storage. nay slowly form explosive	peroxides.

Toluene

Avoid exposure to: light.

N-Butyl Acrylate When hot it can polymerise with explosion even when stabilised with 20 ppm of momomethyl ether hydroquinone. Store at below < 35°C/95°F and out of direct light. Always leave a layer of air on top of the liquid.

Styrene

Polymerises at temperatures above 65°C/149°F.Fire hazard.Possibility of explosion. Added with an inhibitor that requires a small amount of dissolved oxygen at temperatures < 25°C/77°F.

N-BUTYL ACETATE

Decomposes on contact with: water.



ΕN

SECTION 10. Stability and reactivity ... / >>

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

Xylene

Stable in normal conditions of use and storage.Reacts violently with: strong oxidants,strong acids,nitric acid,perchlorates.May form explosive mixtures with: air.

Acetone

Risk of explosion on contact with: bromine trifluoride,fluorine dioxide,hydrogen peroxide,nitrosyl chloride,2-methyl-1,3

butadiene,nitromethane,nitrosyl perchlorate.May react dangerously with: potassium tert-butoxide,alkaline

hydroxides,bromine,bromoform,isoprene,sodium,sulphur dioxide,chromium trioxide,chromyl chloride,nitric

acid, chloroform, peroxymonosulphuric acid, phosphoryl oxychloride, chromosulphuric acid, fluorine, strong oxidising agents, strong reducing agents. Develops flammable gas on contact with: nitrosyl perchlorate.

1-Methoxy-2-Propanol

May react dangerously with: strong oxidising agents, strong acids.

Toluene

Risk of explosion on contact with: fuming sulphuric acid,nitric acid,silver perchlorate,nitrogen dioxide,non-metal halogenates,acetic acid,organic nitrocompounds.May form explosive mixtures with: air.May react dangerously with: strong oxidising agents,strong acids.sulphur.

N-Butyl Acrylate

May polymerise on contact with: amines,bases,halogens,strong oxidising agents,acids,hydrogen compounds.May polymerise if exposed to: heat.Forms explosive mixtures with: hot air.

Styrene

May react dangerously with: peroxides,strong acids.May polymerise on contact with: aluminium trichloride,azobisisobutyronitrile,dibenzoyl peroxide,sodium.Risk of explosion on contact with: butyllithium,chlorosulphuric acid,diterbutyl peroxide,oxidising substances,oxygen. N-BUTYL ACETATE

N-DUTTL ACETATE

Risk of explosion on contact with: strong oxidising agents.May react dangerously with: alkaline hydroxides,potassium tert-butoxide.Forms explosive mixtures with: air.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

Acetone

Avoid exposure to: sources of heat, naked flames.

1-Methoxy-2-Propanol

Avoid exposure to: air. N-Butyl Acrylate

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

Styrene

Avoid contact with: oxidising substances,copper,strong acids.

N-BUTYL ACETATE

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Avoid exposure to: heat.

Keep away from: oxidising agents.

10.5. Incompatible materials

Acetone

Incompatible with: acids,oxidising substances.

1-Methoxy-2-Propanol Incompatible with: oxidising substances,strong acids,alkaline metals.

N-Butvl Acrvlate

Incompatible with: amines, halogens, oxidising substances, strong acids, alkalis.

Styrene

Incompatible materials: plastic materials.

N-BUTYL ACETATE

Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

Acetone

May develop: ketenes, irritant substances.



DRUCKFARBEN HELLAS SA

KRAFT ROAD LINER White

Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 10 / 17 Replaced revision:1 (Dated 28/08/2017)

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Xylene

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air.

1-Methoxy-2-Propanol

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

Toluene

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

Styrene

WORKERS: inhalation; contact with the skin.

N-BUTYL ACETATE WORKERS: inhalation; contact with the skin.

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

Xylene

Toxic effect on the central nervous system (encephalopathy); irritating for the skin, conjunctiva, cornea and respiratory apparatus.

1-Methoxy-2-Propanol

The main route of entry is the skin, whereas the respiratory route is less important due to the low vapour pressure of the product. Above 100 ppm causes irritation of the eye, nose and oropharynx mucous membranes. At 1000 ppm, disturbance of equilibrium and severe eye irritation can be noticed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation with direct contact. No chronic effects on humans have been reported.

Toluene

Toxic effect on the central and peripheral nervous system with encephalopathy and polyneuritis; irritating for the skin, conjunctiva, cornea and respiratory apparatus.

Styrene

The acute toxicity by inhalation at 1000 ppm affects the central nervous system with headache and dizziness, lack of coordination; irritation of the eye and respiratory tract mucous membranes occurs at 500 ppm. Chronic exposure causes depression of the central and peripheral nervous system with loss of memory, headache and drowsiness starting at 20 ppm; digestive disorders with nausea and loss of appetite; irritation of the respiratory tract with chronic bronchitis; dermatosis. Repeated exposure, at low doses of inhaled substance, causes irreversible changes to hearing and may cause changes in colour vision. No certain data is available on the reversibility of the visual impairment. Repeated skin exposure causes irritation. The substance degreases the skin, which can cause dryness and cracking.

N-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

Interactive effects

Xylene

Intake of alcohol interferes with the metabolism of the substance, inhibiting it. Ethanol consumption (0.8 g/kg) before a 4-hour exposure to xylene vapours (145 and 280 ppm) causes a 50% reduction in the excretion of methyl hippuric acid, whereas the

ΕN



Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 11/ 17 Replaced revision:1 (Dated 28/08/2017) ΕN

SECTION 11. Toxicological information ... / >>

concentration of xylenes in the blood increases approx. 1.5-2 times. At the same time there is an increase in the secondary side effects of the ethanol. The metabolism of the xylenes is increased by phenobarbital and 3-methyl-colantrene type enzyme inducers. Aspirin and xylenes mutually inhibit their conjugation with the glycine, which results in a decrease in urinary excretion of methyl hippuric acid. Other industrial products can interfere with the metabolism of xylenes.

Toluene

Certain drugs and other industrial products can interfere with the metabolism of the toluene.

Styrene

The metabolism of the substance is inhibited by ethanol. When styrene is photo-oxidised with ozone and nitrogen dioxide, as in the formation of smog, products highly irritating for the human eye may ensue.

N-BUTYL ACETATE

A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

ACUTE TOXICITY

ATE (Inhalation - mists / powders) of the mixture: ATE (Inhalation - vapours) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:	> 5 mg/l > 20 mg/l Not classified (no significant component) >2000 mg/kg
Reaction mass of Ethylbenzene and Xylene STA (Dermal): STA (Inhalation mists/powders): STA (Inhalation vapours):	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) 1,5 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) 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)
Xylene LD50 (Dermal): STA (Dermal): LD50 (Oral): LC50 (Inhalation vapours):	4350 mg/kg Rabbit 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) 3523 mg/kg Rat 26 mg/l/4h Rat
1-Methoxy-2-Propanol LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):	13000 mg/kg Rabbit 5300 mg/kg Rat 54,6 mg/l/4h Rat
Toluene LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):	12124 mg/kg Rabbit 5580 mg/kg Rat 28,1 mg/l/4h Rat
N-Butyl Acrylate LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):	750 mg/kg Rabbit 900 mg/kg Rat 10,3 mg/l/4h Rat
Styrene LD50 (Oral): LC50 (Inhalation vapours):	5000 mg/kg Rat 11,8 mg/l/4h Rat
TITANIUM DIOXIDE LD50 (Oral):	> 10000 mg/kg Rat
N-BUTYL ACETATE LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):	> 5000 mg/kg Rabbit > 6400 mg/kg Rat 21,1 mg/l/4h Rat



Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 12 / 17 Replaced revision:1 (Dated 28/08/2017) ΕN

SECTION 11. Toxicological information ... / >>

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

- LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):
- > 5000 mg/kg Rabbit
 > 5000 mg/kg Rat
- > 20 mg/l/4h Rat

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

Xylene

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC). The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

Toluene

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 1999).

The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

Styrene

Classified in Group 2B (possible human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 2002). Classified as "probable carcinogen" by the US National Toxicology Program (NTP) - (US DHHS, 2014).

REPRODUCTIVE TOXICITY

Suspected of damaging the unborn child

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

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 Viscosity: 350-450 mm2/s

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

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics</td>

 LC50 - for Fish
 > 100 mg/l/96h Fish / Aquatic Invertebrates / Algae / Microorganisms

 EC50 - for Crustacea
 > 100 mg/l/48h



Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 13 / 17 Replaced revision:1 (Dated 28/08/2017)

SECTION 12. Ecological information/>>	
EC50 - for Algae / Aquatic Plants Chronic NOEC for Fish Chronic NOEC for Crustacea	> 100 mg/l/72h > 0,1 mg/l > 0,1 mg/l
12.2. Persistence and degradability	
Xylene Solubility in water	100 - 1000 mg/l
Rapidly degradable	
Acetone Rapidly degradable	
1-Methoxy-2-Propanol	
Solubility in water Rapidly degradable	1000 - 10000 mg/l
Toluene	
Solubility in water	100 - 1000 mg/l
Rapidly degradable	
N-Butyl Acrylate	
Solubility in water	1700 mg/l
Rapidly degradable	
Styrene	000 l
Solubility in water Rapidly degradable	320 mg/l
TITANIUM DIOXIDE	
Solubility in water	< 0,001 mg/l
Degradability: information not available	
N-BUTYL ACETATE Solubility in water	1000 - 10000 mg/l
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, Rapidly degradable	<2% aromatics
12.3. Bioaccumulative potential	
Xylene	
Partition coefficient: n-octanol/water	3,12
BCF	25,9
Acetone	
Partition coefficient: n-octanol/water	-0,23
BCF	3
1-Methoxy-2-Propanol	
Partition coefficient: n-octanol/water	< 1
Toluene	
Partition coefficient: n-octanol/water	2,73
BCF	90
N-Butyl Acrylate	
Partition coefficient: n-octanol/water BCF	2,38 37
Styrene	
Partition coefficient: n-octanol/water	2,96
BCF	74
N-BUTYL ACETATE	
Partition coefficient: n-octanol/water	2,3
PCE	15.3



ΕN

SECTION 12. Ecological information ... / >>

12.4. Mobility in soil

Information not available

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 ≥ 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.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 1263

14.2. UN proper shipping name

ADR / RID:	PAINT or PAINT RELATED MATERIAL
IMDG:	PAINT or PAINT RELATED MATERIAL
IATA:	PAINT or PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR / RID:	Class: 3	Label: 3
IMDG:	Class: 3	Label: 3
IATA:	Class: 3	Label: 3

14.4. Packing group

ADR / RID, IMDG, IATA: II

14.5. Environmental hazards

ADR / RID:	NO
IMDG:	NO
IATA:	NO



Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 15 / 17 Replaced revision:1 (Dated 28/08/2017)

SECTION 14. Transport information/>>

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 33 Special provision: 163, 36	Limited Quantities: 5 L 67, 640D, 650	Tunnel restriction code: (D/E)
IMDG:	EMS: F-E, <u>S-E</u>	Limited Quantities: 5 L	
IATA:	Cargo:	Maximum quantity: 60 L	Packaging instructions: 364
	Passengers:	Maximum quantity: 5 L	Packaging instructions: 353
	Special provision:	A3, A72, A192	

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

Seveso Category	/ - Directive 2012/18/EU:	P5c
Restrictions relat	ing to the product or contain	ned substances pursuant to Annex XVII to EC Regulation 1907/2006
Product		
Point	3 - 40	
Contained subs	stance	
Point	75	
Point	48	Toluene REACH Reg.: 01-2119471310-51
Regulation (EU) :	2019/1148 - on the marketin	g and use of explosives precursors
Regulated explos	sives precursor	<u>a</u>
The acquisition, i	introduction, possession or ι	use of that regulated explosives precursor by members of the general public is subject to
eporting obligation	ons as set out in Article 9.	
All suspicious tra	insactions and significant dis	sappearances and thefts must be reported to the relevant national contact point.
Substances in Ca	andidate List (Art. 59 REACI	H)
On the basis of a	available data, the product do	
Substances subj	ect to authorisation (Annex)	XIV REACH)
None		
<u>Substances subj</u> e None	ect to exportation reporting p	pursuant to Regulation (EU) 649/2012:
Substances subj	ect to the Rotterdam Conver	ntion:
None		
	aat ta tha Staakhalm Canva	ntion
None		
Volic		
Healthcare control	<u>ols</u>	
Norkers exposed	d to this chemical agent mus	t not undergo health checks, provided that available risk-assessment data prove that the risks
related to the wor	rkers' health and safety are r	modest and that the 98/24/EC directive is respected.
2. Chemical saf	ety assessment	
A chemical safety	y assessment has not been p	performed for the preparation/for the substances indicated in section 3.
CTION 16.	Other information	
Text of hazard (H	I) indications mentioned in se	ection 2-3 of the sheet:
- (-	,	

Flam. Liq. 2Flammable liquid, category 2Flam. Liq. 3Flammable liquid, category 3Repr. 2Reproductive toxicity, category 2Acute Tox. 4Acute toxicity, category 4STOT RE 1Specific target organ toxicity - repeated exposure, category 1



Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 16 / 17 Replaced revision:1 (Dated 28/08/2017) ΕN

SECTION 16. Other information ... / >>

Asp. Tox. 1 STOT RE 2 Eve Irrit 2	Aspiration hazard, category 1 Specific target organ toxicity - repeated exposure, category 2 Eve irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H361d	Suspected of damaging the unborn child.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- 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
- vPvM: Very persistent and very mobile
- 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



Revision nr.2 Dated 24/01/2024 Printed on 24/01/2024 Page n. 17 / 17 Replaced revision:1 (Dated 28/08/2017)

SECTION 16. Other information ... / >>

- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- 23. Delegated Regulation (UE) 2023/707

- 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

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.