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:	**U051200004**
Product name	**GRIP A350**
UFI:	**J910-J06V-A00R-KVFS**

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

Intended use	**Anti-slip for straps.**
Uses advised against:	Different uses than those intended.

1.3. Details of the supplier of the safety data sheet

Name	**CENTRO DISTRIBUZIONE UTENSILI S.p.a**
Full address	**Via delle Gerole, 19**
District and Country	**20867 CAPONAGO (MB)** **ITALY**
	tel. +39 02 95746081
	fax. + 39 02 95745182
e-mail address of the competent person	
responsible for the Safety Data Sheet	**info@cdu.net**
Supplier:	**CENTRO DISTRIBUZIONE UTENSILI S.p.a**

1.4. Emergency telephone number

For urgent inquiries refer to	**CENTRO DISTRIBUZIONE UTENSILI S.p.a +39 02 95746081** **(Technical support - Office hour 8.30-13.00 - 14.00-17.30)**

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:

Aerosol, category 1	H222	Extremely flammable aerosol.
	H229	Pressurised container: may burst if heated.
Specific target organ toxicity - repeated exposure, category 1	H372	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard, category 1	H304	May be fatal if swallowed and enters airways.
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

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:

H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H372	Causes damage to organs through prolonged or repeated exposure.
H319	Causes serious eye 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.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50°C / 122°F.
P501	Dispose of contents / container to in accordance with local and national regulations.
P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
P211	Do not spray on an open flame or other ignition source.

Contains: HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%);
HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS;
ROSIN;
PROPAN-2-OL.

Statements on the aspiration toxicity classification were not included in the label elements, based on section 1.3.3. of Annex I to CLP.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.
The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	**X = Conc. %**	**Classification (EC) 1272/2008 (CLP)**
HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)		
INDEX -	10,50 ≤ x < 18,65	Flam. Liq. 3 H226, STOT RE 1 H372, Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066
EC 919-446-0		
CAS -		
REACH Reg. 01-2119458049-33		
HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS		
INDEX -	10 ≤ x < 18	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H336, EUH066
EC 919-857-5		
CAS -		
REACH Reg. 01-2119463258-33		
PROPANE		
INDEX 601-003-00-5	15,10 ≤ x < 17,10	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: U
EC 200-827-9		
CAS 74-98-6		
REACH Reg. 01-2119486944-21		
ROSIN		
INDEX 650-015-00-7	8,75 ≤ x < 10,75	Skin Sens. 1 H317

EC 232-475-7		
CAS 8050-09-7		
REACH Reg. 01-2119480418-32		
PROPAN-2-OL		
INDEX 603-117-00-0	5,90 ≤ x < 7,90	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336
EC 200-661-7		
CAS 67-63-0		
REACH Reg. 01-2119457558-25		
BUTANE		
INDEX 601-004-00-0	5,54 ≤ x ≤ 7,64	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: C, U
EC 203-448-7		
CAS 106-97-8		
REACH Reg. 01-2119474691-32		
ETHYL ACETATE		
INDEX	3,01 ≤ x < 5,01	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 205-500-4		
CAS 141-78-6		
REACH Reg. 01-2119475103-46		
ISOBUTANE		
INDEX 601-004-00-0	1,70 ≤ x < 3,70	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: C, U
EC 200-857-2		
CAS 75-28-5		
REACH Reg. 01-2119485395-27		

The full wording of hazard (H) phrases is given in section 16 of the sheet.
The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.
Percentage of propellants max: 28,37 %

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.

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)
Skin contact: Adverse symptoms may include nausea or vomiting.
Inhalation: Adverse symptoms may include nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness.
Ingestion: irritation, dryness, cracking. If ingested, the material can be aspirated into the lungs and cause chemical pneumonitis.

HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS
Headache, dizziness, drowsiness, nausea and other central nervous system effects.

ROSIN
May cause an allergic skin reaction.

PROPAN-2-OL

Contact with skin: loss of skin fat, dryness and/or cracking.
Contact with eyes: irritating. Symptoms following overexposure may include the following: redness, pain.
Inhalation: Vapors may irritate the throat/respiratory tract. Symptoms following overexposure may include the following: cough. May cause drowsiness or dizziness.
Ingestion: risk of aspiration if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

ETHYL ACETATE
Skin contact (long duration): dry skin, cracked skin.
Eye contact: mild irritation.
Ingestion: nausea, vomiting, risk of chemical pneumonia, central nervous system depression. Symptoms similar to those observed after inhalation.
Inhalation (exposure to high concentrations): irritation of the respiratory tract, irritation of the nasal mucosa, depression of the nervous system central, dizziness, headache, narcosis, loss of consciousness.

4.3. Indication of any immediate medical attention and special treatment needed
Information for the doctor: symptomatically treatment.

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.

5.2. Special hazards arising from the substance or mixture
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the 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.
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
Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions
Do not disperse in the environment.

6.3. Methods and material for containment and cleaning up
Use inert absorbent material to soak up leaked product. 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
Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

7.2. Conditions for safe storage, including any incompatibilities
Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

Storage class TRGS 510 (Germany): 2B

7.3. Specific end use(s)
Anti-slip for straps.

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 πεπί Αζθάλειαρ και Υγείαρ ζηην Δπγαζία (Φημικοί Παπάγονηερ) (Τποποποιηηικοί) Κανονιζμοί ηος 2019. Οι περί Ασφάλειας και Υγείας στην Εργασία (Καρκινογόνοι και Μεταλλαξιογόνοι 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 töökeskkonna 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 HÄLSOVÅRDSMINISTERIETS 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 μεταλλαξιγόνους παράγοντες κατά την εργασία``»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnimkemikalijama 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 cancérigènes ou mutagènes au travail
LTU	Lietuva	Jsakymas dėl lietuvos 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 tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 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
SWE	Sverige	Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1)
SVK	Slovensko	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
SVN	Slovenija	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
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Direttiva (UE) 2022/431; Direttiva (UE) 2019/1831; Direttiva (UE) 2019/130; Direttiva (UE) 2019/983; Direttiva (UE) 2017/2398; Direttiva (UE) 2017/164; Direttiva 2009/161/UE; Direttiva 2006/15/CE; Direttiva 2004/37/CE; Direttiva 2000/39/CE; Direttiva 98/24/CE; Direttiva 91/322/CEE.
	TLV-ACGIH	ACGIH 2022

ROSIN

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	CZE	1				INHAL
GVI/KGVI	HRV	0,05		0,15		
RV	LVA	4				
TLV	ROU	0,1				
WEL	GBR	0,05		0,15		
TLV-ACGIH		0,001				

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,0016	mg/l
Normal value in marine water	0,00016	mg/l
Normal value for fresh water sediment	0,007	mg/kg
Normal value for marine water sediment	0,001	mg/kg
Normal value of STP microorganisms	1000	mg/l
Normal value for the terrestrial compartment	0,00031	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				1,065 mg/kg bw/d				
Inhalation					10 mg/m3			
Skin			VND	1,065 mg/kg bw/d			VND	2,131 mg/kg bw/d

BUTANE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
MAK	AUS	1900	800	3800	1600		STEL:60(Mow),Häufigkeit/Sch:3x
TRK	AUS	1600	800	3800	1600		
VLEP	BEL			2370	980		
TLV	BGR	1900					
MAK	CHE	1900	800	7600	3200		
VME/VLE	CHE	1900	800	7600	3200		
AGW	DEU	2400	1000	9600	4000		
MAK	DEU	2400	1000	9600	4000		
TLV	DNK	1200	500				
VLA	ESP		1000				Gases
TLV	EST	1500	800				
VLEP	FRA	1900	800				
HTP	FIN	1900	800	2400	1000		
TLV	GRC	2350	1000				
AK	HUN	2350		9400			
GVI/KGVI	HRV	1450	600	1810	750		
OELV	IRL				1000		All Isomers
RV	LVA	300					
TLV	NOR	600	250				
TGG	NLD	1430					
NDS/NDSCh	POL	1900		3000			
MV	SVN	2400	1000	9600	4000		
WEL	GBR	1450	600	1810	750		
WEL	GBR		4			RESP	
TLV-ACGIH					1000		

PROPANE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
MAK	AUS	1800	1000	3600	2000		STEL:60(Mow),Häufigkeit/Sch:3x
TRK	AUS	1800	1000	3600	2000		
VLEP	BEL		1000				
TLV	BGR	1800					
MAK	CHE	1800	1000	7200	4000		
VME/VLE	CHE	1800	1000	7200	4000		
AGW	DEU	1800	1000	7200	4000		
MAK	DEU	1800	1000	7200	4000		
TLV	DNK	1800	1000				

VLA	ESP		1000				
TLV	EST	1800	1000				
HTP	FIN	1500	800	2000	1100		
TLV	GRC	1800	1000				
RV	LVA	1800	100				
TLV	NOR	900	500				
NDS/NDSCh	POL	1800					
TLV	ROU	1400	778	1800	1000		
MV	SVN	1800	1000	7200	4000		

PROPAN-2-OL

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
MAK	AUS	500	200	2000	800		Häufigkeit pro Schicht:4x
VLEP	BEL	500	200	1000	400		
TLV	BGR	980		1225			
MAK	CHE	500	200	1000	400		
VME/VLE	CHE	500	200	1000	400		
TLV	CZE	500	200	1000	400		
AGW	DEU	500	200	1000	400		
MAK	DEU	500	200	1000	400		
TLV	DNK	490	200	980	400		
VLA	ESP	500	200	1000	400		
TLV	EST	350	150	600	250		
VLEP	FRA			980	400		
HTP	FIN	500	200	620	250		
TLV	GRC	980	400	1225	500		
GVI/KGVI	HRV	999	400	1250	500		
OELV	IRL		200		400	SKIN	
RD	LTU	350		600			
RV	LVA	350		600			
TLV	NOR	245	100				
TGG	NLD	650					
NDS/NDSCh	POL	900		1200		SKIN	
TLV	ROU	200	81	500	203		
NGV/KGV	SWE	350	150	600	250		
NPEL	SVK	500	200	1000	400		
MV	SVN	500	200	1000	400		
WEL	GBR	999	400	1250	500		
TLV-ACGIH			200		400		

Predicted no-effect concentration - PNEC		
Normal value in fresh water	140,9	mg/l

Normal value in marine water	140,9	mg/l
Normal value for fresh water sediment	552	mg/kg
Normal value for marine water sediment	552	mg/kg
Normal value for water, intermittent release	140,9	mg/l
Normal value of STP microorganisms	2251	mg/l
Normal value for the food chain (secondary poisoning)	160	mg/kg
Normal value for the terrestrial compartment	28	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 mg/kg bw/d				
Inhalation				89 mg/m3				500 mg/m3
Skin				319 mg/kg bw/d				888 mg/kg bw/d

ETHYL ACETATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
MAK	AUS	734	200	1468	400	Häufigkeit pro Schicht:4x
TRK	AUS	734	200	1460	400	
VLEP	BEL	734	200	1468	400	
TLV	BGR	734	200	1468	400	
MAK	CHE	730	200	1460	400	
VME/VLE	CHE	730	200	1460	400	
TLV	CYP	734	200	1468	400	
TLV	CZE	700	191,1	900	245,7	
AGW	DEU	730	200	1460	400	
MAK	DEU	750	200	1500	400	
TLV	DNK	540	150			E
VLA	ESP	734	200	1468	400	
TLV	EST	500	150	1100	300	
VLEP	FRA	734	200	1468	400	
HTP	FIN	730	200	1470	400	
TLV	GRC	734	200	1468	400	
AK	HUN	734		1468		
GVI/KGVI	HRV	734	200	1468	400	
VLEP	ITA	734	200	1468	400	
OELV	IRL	734	200	1468	400	
VL	LUX	734	200	1468	400	
RD	LTU	500	150	1100 (C)	300 (C)	
RV	LVA	200	54	1468	400	
TLV	MLT	734	200	1468	400	
TLV	NOR	734	200			

TGG	NLD	734		1468	
VLE	PRT	734	200	1468	400
NDS/NDSCh	POL	734		1468	
TLV	ROU	734	200	1468	400
NGV/KGV	SWE	550	150	1100	300
NPEL	SVK	734	200	1468	400
MV	SVN	734	200	1468	400
WEL	GBR	734	200	1468	400
OEL	EU	734	200	1468	400
TLV-ACGIH			400		

Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,24	mg/l
Normal value in marine water	0,024	mg/l
Normal value for fresh water sediment	1,15	mg/kg/d
Normal value for marine water sediment	0,115	mg/kg/d
Normal value for water, intermittent release	1,65	mg/l
Normal value of STP microorganisms	650	mg/l
Normal value for the food chain (secondary poisoning)	200	mg/kg
Normal value for the terrestrial compartment	0,148	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				4,5 mg/kg bw/d				
Inhalation	734 mg/m3	734 mg/m3	367 mg/m3	367 mg/m3	1468 mg/m3	1468 mg/m3	734 mg/m3	734 mg/m3
Skin				37 mg/kg bw/d				63 mg/kg bw/d

HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH		1200		197		Vapore

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				125 mg/kg bw/d				
Inhalation				185 mg/m3				871 mg/m3
Skin				125 mg/kg bw/d				208 mg/kg bw/d

ISOBUTANE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLEP	BEL			2370	980	
MAK	CHE	1900	800			

VME/VLE	CHE	1900	800					
AGW	DEU	2400	1000	9600	4000			
MAK	DEU	2400	1000	9600	4000			
HTP	FIN	1900	800	2400	1000			
OELV	IRL				1000			
TLV-ACGIH					1000			

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

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			VND	21 mg/kg bw/d				
Inhalation		570 mg/m3	VND	71 mg/m3		570 mg/m3		330 mg/m3
Skin			VND	12 mg/kg bw/d			VND	21 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.
Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).
HAND PROTECTION
None required.
SKIN PROTECTION
Wear category III 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).
In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.
RESPIRATORY PROTECTION
If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).
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.
ENVIRONMENTAL EXPOSURE CONTROLS
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.
Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	aerosol	
Colour	ochre	

Odour	solvent	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	not applicable	Reason for lack given: does not apply to aerosols and gases
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	not applicable	
Kinematic viscosity	not available	
Solubility	in water: insoluble; in aceton: partially soluble	Note: refers to the liquid base of the spray
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	0,83 - 0,85 kg/dm^3	Note: the density data refers to the liquid base without considering the propellant
Relative vapour density	not available	
Particle characteristics	not applicable	

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)	77,78 %
Propellant flammability	extremely flammable
Limit of propellant flammability	1,8-9,5%

SECTION 10. Stability and reactivity

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

ETHYL ACETATE
It slowly decomposes to acetic acid and ethanol by the action of light, air and water.

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

ETHYL ACETATE
Avoid exposure to: light, moisture, air.

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

PROPAN-2-OL
Not explosive, however the formation of explosive vapor/air mixtures is possible.
ETHYL ACETATE
May react violently with: strong oxidising agents,acids.
HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS
Flammable liquid and vapour. Vapors can form explosive mixtures with air.

10.4. Conditions to avoid
Avoid overheating.

ROSIN
Avoid exposure to: heat.
PROPAN-2-OL
Avoid exposure to: heat, naked flames, ignition sources.
ETHYL ACETATE
Avoid exposure to: heat, naked flames, sparks, sources of ignition, electrostatic charges.
HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS
Avoid exposure to: excessive heat (prolonged period), flames, ignition sources.
HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)
Avoid exposure to: heat, naked flames.

10.5. Incompatible materials
Strong reducing or oxidising agents, strong acids or alkalis, hot material.

PROPAN-2-OL
Incompatible with: strong oxidising agents, strong acids, alkaline metals, amines, aluminium, iron.
ETHYL ACETATE
Incompatible with: acids, bases, strong oxidants, chlorosulphuric acid.
HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS
Incompatible with: strong oxidising agents.
HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)
Avoid contact with: strong oxidising agents.

10.6. Hazardous decomposition products
PROPAN-2-OL
In decomposition develops: carbon oxides.
ETHYL ACETATE
In decomposition develops: carbon oxides, vapors of acetic acid, ethanol.
HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS
When heated to decomposition releases: carbon oxides, toxic gases or vapors, harsh fumes.
HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)
In decomposition develops: toxic gases or vapors, carbon oxides.

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
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) of the mixture: not classified (no significant component)

ATE (Oral) of the mixture: not classified (no significant component)
ATE (Dermal) of the mixture: not classified (no significant component)

ROSIN
LD50 (Dermal): > 2000 mg/kg Rat
LD50 (Oral): > 2000 mg/kg Rat

PROPAN-2-OL
LD50 (Dermal): 13900 mg/kg Rabbit (OECD 402)
LD50 (Oral): 5840 mg/kg Rat (OECD 401)
LC50 (Inhalation vapours): > 10000 mg/l/6h Rat (OECD 403)

ETHYL ACETATE
LD50 (Dermal): > 20000 mg/kg bw Male rabbit
LD50 (Oral): 4934 mg/kg bw Rabbit (OECD 401)
LC50 (Inhalation vapours): > 22,5 mg/l/6h Rat

HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS
LD50 (Dermal): > 5000 mg/kg Rabbit (OECD 402)
LD50 (Oral): > 5000 mg/kg Rat (OECD 401)
LC50 (Inhalation vapours): > 5 mg/l/4h Rat (OECD 403)

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)
LD50 (Dermal): > 3400 mg/kg Rabbit (OECD 402)
LD50 (Oral): > 15000 mg/kg Rat (OECD 401)
LC50 (Inhalation vapours): > 13,1 mg/l Rat (OECD 403)

SKIN CORROSION / IRRITATION
Repeated exposure may cause skin dryness or cracking.

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.

REPRODUCTIVE TOXICITY
Does not meet the classification criteria for this hazard class.

STOT - SINGLE EXPOSURE
May cause drowsiness or dizziness.

STOT - REPEATED EXPOSURE
Causes damage to organs.

ASPIRATION HAZARD
Toxic for aspiration.

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

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

ROSIN	
LL50 - for Fish	< 10 mg/l/96h Danio Rerio
EL50 - for Crustacea	> 100 mg/l/48h
EL50 - for Algae / Aquatic Plants	> 100 mg/l Desmodesmus subspicatus
PROPAN-2-OL	
LC50 - for Fish	9640 mg/l/96h Pimephales promelas
EC50 - for Crustacea	10000 mg/l/48h Daphnia magna
ETHYL ACETATE	
LC50 - for Fish	230 mg/l/96h Pimephales promelas
EC50 - for Crustacea	165 mg/l/48h Daphnia magna
Chronic NOEC for Crustacea	2,4 mg/l 21d - Daphnia magna
HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS	
LC50 - for Fish	> 1000 mg/l/96h Onchorhynchus mykiss
EC50 - for Crustacea	1000 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 1000 mg/l/72h Pseudokirchneriella subcapitata
Chronic NOEC for Algae / Aquatic Plants	> 100 mg/l 72h - Pseudokirchneriella subcapitata
HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)	
LC50 - for Fish	10 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	10 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	4,6 mg/l/72h Pseudokirchneriella subcapitata
Chronic NOEC for Crustacea	0,097 mg/l 21d Daphnia magna

12.2. Persistence and degradability

ROSIN	
Solubility in water	900 mg/l
Rapidly degradable	
BUTANE	
Rapidly degradable	
PROPANE	
Rapidly degradable	
PROPAN-2-OL	
Solubility in water	Soluble
Rapidly degradable	
ETHYL ACETATE	
Solubility in water	> 10000 mg/l
Rapidly degradable	69% - 20d in water

HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS

Solubility in water	Insoluble
Rapidly degradable	80% - 28d in water

HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

Solubility in water	Insoluble
Rapidly degradable	74,7% - 28d (OECD 301F)

12.3. Bioaccumulative potential

ROSIN

Partition coefficient: n-octanol/water	> 3

PROPAN-2-OL

Partition coefficient: n-octanol/water	0,05 Log Kow (OECD 107)

ETHYL ACETATE

Partition coefficient: n-octanol/water	0,68 Log Kow 25° C
BCF	30 - 3d - Leuciscus idus

HYDROCARBONS, C9 - C11, N-ALKANES, ISOALKANES, CYCLIC, <2% AROMATICS

Partition coefficient: n-octanol/water	> 4 Log Kow

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: 1950

14.2. UN proper shipping name

ADR / RID: AEROSOLS
IMDG: AEROSOLS
IATA: AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID:	Class: 2	Label: 2.1
IMDG:	Class: 2	Label: 2.1
IATA:	Class: 2	Label: 2.1

14.4. Packing group

ADR / RID, IMDG, IATA: -

14.5. Environmental hazards

ADR / RID: NO
IMDG: NO
IATA: NO

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: --	Limited Quantities: 1 L	Tunnel restriction code: (D)
	Special provision: -		
IMDG:	EMS: F-D, S-U	Limited Quantities: 1 L	
IATA:	Cargo:	Maximum quantity: 150 Kg	Packaging instructions: 203
	Passengers:	Maximum quantity: 75 Kg	Packaging instructions: 203
	Special provision:	A145, A167, A802	

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: P3a.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
Product
Point 40
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 ≥ 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.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)
WGK 2: hazard to waters.

15.2. Chemical safety assessment
A chemical safety assessment has not been performed for the mixture.

SECTION 16. Other information

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

Flam. Gas 1A	Flammable gas, category 1A
Aerosol 1	Aerosol, category 1
Aerosol 3	Aerosol, category 3
Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Press. Gas (Liq.)	Liquefied gas
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
Asp. Tox. 1	Aspiration hazard, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.

H372	Causes damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
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 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).

Classification and procedure used to derive it in accordance with Regulation (EC) 1272/2008 (CLP) in relation to mixtures:

Classification according to Regulation (EC) No. 1272/2008	Classification procedure
Aerosol 1 H222+H229	Calculation method and based on experimental data
STOT RE 1 H372	Calculation method
Asp. Tox. 1 H304	Calculation method
Eye Irrit. 2 H319	Calculation method
Skin Sens. 1 H317	Calculation method
STOT SE 3 H336	Calculation method
Aquatic Chronic 3 H412	Calculation method

GENERAL BIBLIOGRAPHY
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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

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16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
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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 / 08 / 09 / 10 / 11 / 12 / 14 / 15 / 16.