

Revision nr.8 Dated 15/04/2024 Printed on 15/04/2024 Page n. 1 / 15 Replaced revision:7 (Dated 03/04/2023) ΕN

Safety Data Sheet

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

	ubstance/mixture a		
.1. Product identifier			
Code:	35B		
Product name	SUPERMAT (B)		
UFI :	A7C1-C08T-J00E-HI	JNT	
.2. Relevant identified uses of the substance	or mixture and uses advis	ed against	
Intended use	MATTING TRANSPA	ARENT TOP COAT	
Identified Lines	Induction	Drefessional	Concurrent
Identified Uses FIXATIVE	Industrial	Professional	Consumer
	-	V	-
.3. Details of the supplier of the safety data sl	neet		
Name	NORD RESINE S.p.	۹.	
Full address	Via Fornace Vecchi		
District and Country	31058 Suseg	-, -	(TV)
	Italia	, 	(/
		438-437511	
		438-435155	
e-mail address of the competent person			
responsible for the Safety Data Sheet	annabreda@nordre	sine.com	
Supplier:	NORD RESINE S.p.	۹.	
I.4. Emergency telephone number			
	. 20 0420 427544		
For urgent inquiries refer to	+39 0438 437511		
SECTION 2. Hazards identification	1		
2.1. Classification of the substance or mixture			
The product is classified as hazardous pursuar	•	() 0	
	nus requires a safety datasł	neet that complies with the	e provisions of (EU) Regulation
amendments and supplements). The product the			
2020/878.			
	for health and/or the enviro	onment are given in section	ns 11 and 12 of this sheet.
2020/878. Any additional information concerning the risks	for health and/or the envirc	onment are given in section	ns 11 and 12 of this sheet.
2020/878. Any additional information concerning the risks Hazard classification and indication:		G	
2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2	H	225 Highly flamr	mable liquid and vapour.
 2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2 Reproductive toxicity, category 2 	H: H:	225 Highly flamr 361d Suspected of	mable liquid and vapour. of damaging the unborn child.
 2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2 Reproductive toxicity, category 2 Acute toxicity, category 4 	H: H: H:	225 Highly flamr 361d Suspected of 332 Harmful if in	mable liquid and vapour. of damaging the unborn child. nhaled.
 2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2 Reproductive toxicity, category 2 Acute toxicity, category 4 Aspiration hazard, category 1 	H: H: H: H:	225 Highly flamr 361d Suspected of 332 Harmful if in 304 May be fata	mable liquid and vapour. of damaging the unborn child. nhaled. il if swallowed and enters airways.
 2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2 Reproductive toxicity, category 2 Acute toxicity, category 4 Aspiration hazard, category 1 Specific target organ toxicity - repeated exp 	H: H: H: H:	225 Highly flamm 361d Suspected of 332 Harmful if in 304 May be fata 373 May cause	mable liquid and vapour. of damaging the unborn child. haled. Il if swallowed and enters airways. damage to organs through prolonged or
 2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2 Reproductive toxicity, category 2 Acute toxicity, category 4 Aspiration hazard, category 1 Specific target organ toxicity - repeated exp category 2 	H: H: H: hosure, H:	225 Highly flamr 361d Suspected of 332 Harmful if in 304 May be fata 373 May cause repeated ex	mable liquid and vapour. of damaging the unborn child. haled. I if swallowed and enters airways. damage to organs through prolonged or cposure.
 2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2 Reproductive toxicity, category 2 Acute toxicity, category 4 Aspiration hazard, category 1 Specific target organ toxicity - repeated exp category 2 Eye irritation, category 2 	H: H: H: H: bosure, H: H:	225 Highly flamr 361d Suspected of 332 Harmful if in 304 May be fata 373 May cause repeated ex 319 Causes seri	mable liquid and vapour. of damaging the unborn child. haled. I if swallowed and enters airways. damage to organs through prolonged or cposure. ious eye irritation.
 2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2 Reproductive toxicity, category 2 Acute toxicity, category 4 Aspiration hazard, category 1 Specific target organ toxicity - repeated exp category 2 Eye irritation, category 2 Skin irritation, category 2 	H: H: H: H: H: H: H: H: H: H: H: H:	225 Highly flamr 361d Suspected of 332 Harmful if in 304 May be fata 373 May cause repeated ex 319 Causes seri 315 Causes skir	mable liquid and vapour. of damaging the unborn child. haled. I if swallowed and enters airways. damage to organs through prolonged or cposure. ious eye irritation. n irritation.
 2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2 Reproductive toxicity, category 2 Acute toxicity, category 4 Aspiration hazard, category 1 Specific target organ toxicity - repeated exp category 2 Eye irritation, category 2 Skin irritation, category 2 Specific target organ toxicity - single exposed 	H: H: H: H: H: H: H: H: H: H: H: H:	225 Highly flamr 361d Suspected of 332 Harmful if in 304 May be fata 373 May cause repeated ex 319 Causes seri 315 Causes skir	mable liquid and vapour. of damaging the unborn child. haled. I if swallowed and enters airways. damage to organs through prolonged or cposure. ious eye irritation.
 2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2 Reproductive toxicity, category 2 Acute toxicity, category 4 Aspiration hazard, category 1 Specific target organ toxicity - repeated exp category 2 Eye irritation, category 2 Skin irritation, category 2 Specific target organ toxicity - single expose category 3 	H: H: H: H: H: H: H: H: H: H: H: H: H: H	225 Highly flam 361d Suspected of 332 Harmful if in 304 May be fata 373 May cause repeated ex 319 Causes seri 315 Causes skir 335 May cause	mable liquid and vapour. of damaging the unborn child. haled. I if swallowed and enters airways. damage to organs through prolonged or coosure. ious eye irritation. n irritation. respiratory irritation.
 2020/878. Any additional information concerning the risks Hazard classification and indication: Flammable liquid, category 2 Reproductive toxicity, category 2 Acute toxicity, category 4 Aspiration hazard, category 1 Specific target organ toxicity - repeated exp category 2 Eye irritation, category 2 Skin irritation, category 2 Specific target organ toxicity - single exposed 	H: H: H: H: H: H: ure, H: H: H: H: H: H: H: H: H: H: H: H: H: H	225 Highly flam 361d Suspected of 332 Harmful if in 304 May be fata 373 May cause repeated ex 319 Causes seri 315 Causes skir 335 May cause	mable liquid and vapour. of damaging the unborn child. haled. I if swallowed and enters airways. damage to organs through prolonged or cposure. ious eye irritation. n irritation.



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SECTION 2. Hazards identification ... / >>

2.2. Label elements

Signal words:

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

Hazard pictograms:

Danger

0.9.1	20									
Hazard statements:										
H225	Highly flammable liquid and vapour.									
H361d	Suspected of damaging the unborn child.									
H332	Harmful if inhaled.									
H304	May be fatal if swallowed and enters airways.									
H373	May cause damage to organs through prolonged or repeated exposure.									
H319	Causes serious eve irritation.									
H315	Causes skin irritation.									
H335	May cause respiratory irritation.									
H317	May cause an allergic skin reaction.									
H336	May cause drowsiness or dizziness.									
EUH204	Contains isocyanates. May produce an allergic reaction.									
Precautionary statements:										
P210	Keep away from heat, hot surfaces, sparks,	open flames and other ignition sources. No smoking.								
P331	Do NOT induce vomiting.									
P280	Wear protective gloves/ protective clothing /	eye protection / face protection.								
P301+P310	IF SWALLOWED: immediately call a POISC									
P370+P378	In case of fire: use carbon anhydride, foam,	nebulized water to extinguish.								
P261	Avoid breathing dust / fume / gas / mist / va	pours / spray.								
Contains:	TOLUENE ALIPHATIC POLYISOCYANATE ETHYL ACETATE N-BUTYL ACETATE									
VOC (Directive 2004/42/EC) : Binding primers. VOC given in g/litre of produc Limit value: - Catalysed with : - Thinned with :		743,77 750,00 SUPERMAT (A) SOLVENTE PER SUPERMAT								

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



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SECTION 3. Composition/information on ingredients/>>

3.2. Mixtures

Contai	
Contai	INS.

	x = Conc. %	Classification (EC) 1272/2008 (CLP)
931-274-8 28182-81-2	30 ≤ x < 35	Acute Tox. 4 H332, STOT SE 3 H335, Skin Sens. 1 H317 STA Inhalation mists/powders: 1,5 mg/l
	25 ≤ x < 35	Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
607-022-00-5 205-500-4 141-78-6	25 ≤ x < 35	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
601-021-00-3 203-625-9 108-88-3 01-2119471310-51	10≤x< 12	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
603-001-00-X 200-659-6 67-56-1 01-2119433307-44	0≤x< 1	Flam. Liq. 2 H225, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT SE 1 H370 STOT SE 2 H371: ≥ 3% STA Oral: 100 mg/kg, STA Dermal: 300 mg/kg, STA Inhalation vapours: 3 mg/l
	28182-81-2 01-2119485796-17 ETATE 607-025-00-1 204-658-1 123-86-4 01-2119485493-29 ATE 607-022-00-5 205-500-4 141-78-6 01-2119475103-46 601-021-00-3 203-625-9 108-88-3 01-2119471310-51 603-001-00-X 200-659-6 67-56-1	DLYISOCYANATE $30 \le x < 35$ $931-274-8$ $28182-81-2$ $01-2119485796-17$ $25 \le x < 35$ ETATE $607-025-00-1$ $25 \le x < 35$ $204-658-1$ $23 \ge 86-4$ $01-2119485493-29$ are ATE $607-022-00-5$ $25 \le x < 35$ $205-500-4$ $141-78-6$ $01-2119475103-46$ $601-021-00-3$ $601-021-00-3$ $10 \le x < 12$ $203-625-9$ $0 \le x < 1$ $200-659-6$ $67-56-1$

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

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.



SECTION 5. Firefighting measures ... / >>

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.

7.3. Specific end use(s)

Information not available



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SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

CZE	Česká Republika	Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb.,
UZL		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
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
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
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
501		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
ROU	România	dla zdrowia w środowisku pracy Hotěrêrce pr. 52/2021 poptru modificerce betěrêrii guvernului pr. 1.218/2006, procum si poptru
ROU	Romania	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea si completarea hotărârii guvernului nr. 1.093/2006
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu
OVIN	Glovenija	(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	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 2022

ALIPHATIC POLYISOCYANATE

Predicted no-effect con	ncentration	- PNEC						
Normal value in fresh	water					0,127	mg/l	
Normal value in mari	ne water			0,0127	mg/l			
Normal value for fres	h water sedi	iment				266701	mg/kg/d	
Normal value for marine water sediment						26670	mg/kg/d	
Normal value for water, intermittent release						1,27	mg/l	
Normal value of STP	microorgan	isms		88	mg/l			
Normal value for the	terrestrial co	ompartment				53183	mg/kg/d	
Health - Derived no-eff	ect level - D	NEL / DMEL						
	Effects of	n consumers			Effects on w	/orkers		
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation					1 mg/m3		0,5 mg/m3	

EN



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SECTION 8. Exposure controls/personal protection/>>

ETHYL ACETATE								
Threshold Limit \	/alue							
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
TLV	CZE	700	191,1	900	245,7			
AGW	DEU	730	200	1460	400			
MAK	DEU	750	200	1500	400			
VLA	ESP	734	200	1468	400			
VLEP	FRA	734	200	1468	400			
TLV	GRC	734	200	1468	400			
AK	HUN	734		1468				
GVI/KGVI	HRV	734	200	1468	400			
VLEP	ITA	734	200	1468	400			
TGG	NLD	734		1468				
VLE	PRT	734	200	1468	400			
NDS/NDSCh	POL	734		1468				
TLV	ROU	734	200	1468	400			
MV	SVN	734	200	1468	400			
WEL	GBR	734	200	1468	400			
OEL	EU	734	200	1468	400			
TLV-ACGIH		1441	400					
Predicted no-effe	ct concentra	ation - PNEC	;					
Normal value ir	n fresh water					0,26 mg/l		
Normal value ir	n marine wate	ər				0,026 mg/l		
Normal value for	or fresh wate	r sediment				1,25 mg/kg		
Normal value for	or marine wat	ter sediment				0,125 mg/kg		
Normal value for	,		se			1,65 mg/l		
Normal value o		•				650 mg/l		
Normal value for		· ·)		200 mg/kg		
Normal value for	or the terrestr	ial compartm	0,24 mg/kg					

Threshold Limit Value Type Country TWA/8h STEL/15min Remarks / Observations TLV CZE 950 196,65 1200 248,4 AGW DEU 300 62 600 (C) 124 (C) VLA ESP 241 50 724 150 VLEP FRA 710 150 940 200 TLV GRC 710 150 950 200 AK HUN 241 723 50 50	
mg/m3 ppm mg/m3 ppm TLV CZE 950 196,65 1200 248,4 AGW DEU 300 62 600 (C) 124 (C) VLA ESP 241 50 724 150 VLEP FRA 710 150 940 200 TLV GRC 710 150 950 200 AK HUN 241 723 723	
TLV CZE 950 196,65 1200 248,4 AGW DEU 300 62 600 (C) 124 (C) VLA ESP 241 50 724 150 VLEP FRA 710 150 940 200 TLV GRC 710 150 950 200 AK HUN 241 723 723	
AGWDEU30062600 (C)124 (C)VLAESP24150724150VLEPFRA710150940200TLVGRC710150950200AKHUN241723	
VLA ESP 241 50 724 150 VLEP FRA 710 150 940 200 TLV GRC 710 150 950 200 AK HUN 241 723	
VLEP FRA 710 150 940 200 TLV GRC 710 150 950 200 AK HUN 241 723	
TLV GRC 710 150 950 200 AK HUN 241 723	
AK HUN 241 723	
GVI/KGVI HRV 241 50 723 150	
VLEP ITA 241 50 723 150	
TGG NLD 150	
VLE PRT 241 50 723 150	
NDS/NDSCh POL 240 720	
TLV ROU 241 50 723 150	
MV SVN 300 62 600 124	
WEL GBR 724 150 966 200	
OEL EU 241 50 723 150	
TLV-ACGIH 50 150	



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

TOLUENE									
Threshold Limit Value									
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
TLV	CZE	192	50,112	384	100,224	SKIN			
AGW	DEU	190	50	760	200	SKIN			
MAK	DEU	190	50	760	200	SKIN			
VLA	ESP	192	50	384	100	SKIN			
VLEP	FRA	76,8	20	384	100	SKIN			
TLV	GRC	192	50	384	100				
AK	HUN	190		380		SKIN			
GVI/KGVI	HRV	192	50	384	100	SKIN			
VLEP	ITA	192	50			SKIN			
TGG	NLD	150		384					
VLE	PRT	192	50	384	100	SKIN			
NDS/NDSCh	POL	100		200		SKIN			
TLV	ROU	192	50	384	100	SKIN			
MV	SVN	192	50	384	100	SKIN			
WEL	GBR	191	50	384	100	SKIN			
OEL	EU	192	50	384	100	SKIN			
TLV-ACGIH			20						

METHANOL								
Threshold Limit \	/alue							
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
TLV	CZE	250	187,75	1000	751	SKIN		
AGW	DEU	270	200	1080	800	SKIN		
MAK	DEU	130	100	260	200	SKIN		
VLA	ESP	266	200			SKIN		
VLEP	FRA	260	200	1300	1000	SKIN 11		
TLV	GRC	260	200	325	250			
AK	HUN	260				SKIN		
GVI/KGVI	HRV	260	200			SKIN		
VLEP	ITA	260	200			SKIN		
TGG	NLD	133				SKIN		
VLE	PRT	260	200			SKIN		
NDS/NDSCh	POL	100		300		SKIN		
TLV	ROU	260	200			SKIN		
MV	SVN	260	200	1040	800	SKIN		
WEL	GBR	266	200	333	250	SKIN		
OEL	EU	260	200					
TLV-ACGIH		262	200	328	250	SKIN		

ACTUANO

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

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.



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

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, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (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 Appearance Colour Odour Melting point / freezing point Initial boiling point Flammability Lower explosive limit Upper explosive limit Flash point Auto-ignition temperature Decomposition temperature pH Kinematic viscosity Solubility Partition coefficient: n-octanol/water Vapour pressure Density and/or relative density Relative vapour density	~ <	not available not available not available 23 °C not available not available not available not available insoluble in water not available 36,85 mmHg 0,95 kg/l not available	Information
Particle characteristics		not applicable	
9.2. Other information			
9.2.1. Information with regard to physical hazar	rd cla	sses	
Information not available			

9.2.2. Other safety characteristics				
VOC (Directive 2004/42/EC) :	69,80 %	-	663,10	g/litre
VOC (volatile carbon)	43,77 %	-	415,80	g/litre

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

Decomposes slowly into acetic acid and ethanol under the effect of light, air and water.

N-BUTYL ACETATE

Decomposes on contact with: water. TOLUENE Avoid exposure to: light.



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.

ETHYL ACETATE

Risk of explosion on contact with: alkaline metals, hydrides, oleum. May react violently with: fluorine, strong oxidising agents, chlorosulphuric acid, potassium tert-butoxide. Forms explosive mixtures with: air.

N-BUTYL ACETATE

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

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.

10.4. Conditions to avoid

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

ETHYL ACETATE

Avoid exposure to: light,sources of heat,naked flames. N-BUTYL ACETATE Avoid exposure to: moisture,sources of heat,naked flames.

10.5. Incompatible materials

ETHYL ACETATE

Incompatible with: acids,bases,strong oxidants,chlorosulphuric acid.

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.

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

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

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.

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

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

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.



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35B - SUPERMAT (B)

SECTION 11. Toxicological information .../>>

TOLUENE

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

METHANOL

The minimum lethal dose for humans by ingestion is considered to be in the range from 300 to 1000 mg/kg. Ingestion of 4-10 ml of the substance may cause permanent blindness in adult humans (IPCS).

Interactive effects

N-BUTYL ACETATE

STA (Inhalation vapours):

SERIOUS EYE DAMAGE / IRRITATION

RESPIRATORY OR SKIN SENSITISATION

SKIN CORROSION / IRRITATION

Causes skin irritation

Causes serious eye irritation

GERM CELL MUTAGENICITY

Sensitising for the skin

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).

TOLUENE

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

ACUTE TOXICITY

ATE (Inhalation - mists / powders) of the mixture: ATE (Inhalation - vapours) of the mixture: ATE (Inhalation - gas) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:	4,29 mg/l Acute Tox. 4 Acute Tox. 4 >2000 mg/kg >2000 mg/kg
ALIPHATIC POLYISOCYANATE LD50 (Dermal): LD50 (Oral):	> 2000 mg/kg Rat > 2000 mg/kg
LC50 (Inhalation mists/powders): STA (Inhalation mists/powders):	0,543 mg/l/4h Rat 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)
N-BUTYL ACETATE LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):	> 5000 mg/kg Rabbit > 6400 mg/kg Rat 21,1 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
METHANOL	
STA (Dermal):	300 mg/kg estimate from table 3.1.2 of Annex I of the CLP
STA (Oral):	(figure used for calculation of the acute toxicity estimate of the mixture) 100 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)
LC50 (Inhalation vapours):	> 87,6 mg/l/4h Rat

3 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)

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SECTION 11. Toxicological information ... / >>

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TOLUENE

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

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

REPRODUCTIVE TOXICITY

Suspected of damaging the unborn child

STOT - SINGLE EXPOSURE

May cause respiratory irritation May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

May cause 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

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

ALIPHATIC POLYISOCYANATE LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants 12.2. Persistence and degradability	> 100 mg/l/96h Danio rerio > 100 mg/l/48h Daphnia magna > 1000 mg/l/72h scenedesmus subspicatus
TOLUENE Solubility in water Rapidly degradable	100 - 1000 mg/l
METHANOL Solubility in water Rapidly degradable	1000 - 10000 mg/l
ETHYL ACETATE Solubility in water Rapidly degradable	> 10000 mg/l
N-BUTYL ACETATE Solubility in water	1000 - 10000 mg/l
ALIPHATIC POLYISOCYANATE Solubility in water Degradability: information not available	0,1 - 100 mg/l



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SECTION 12. Ecological information ... / >>

12.3. Bioaccumulative potential

TOLUENE Partition coefficient: n-octanol/water BCF	2,73 90
METHANOL Partition coefficient: n-octanol/water BCF	-0,77 0,2
ETHYL ACETATE Partition coefficient: n-octanol/water BCF	0,68 30
N-BUTYL ACETATE Partition coefficient: n-octanol/water BCF	2,3 15,3
ALIPHATIC POLYISOCYANATE BCF	3,2
12.4. Mobility in soil	

N-BUTYL ACETATE	
Partition coefficient: soil/water	< 3

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.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: 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

@EPY 11.5.2 - SDS 1004.14



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SECTION 14. Transport information/>>

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: Ш

14.5. Environmental hazards

ADR / RID:	NO
IMDG:	NO
IATA:	NO

14.6. Special precautions for user

ADR / RID: IMDG:

IATA:

HIN - Kemler: 33 Limited Quantities: 5 L Special provision: 163, 367, 640D, 650 Limited Quantities: 5 L EMS: F-E, <u>S-E</u> Cargo: Maximum quantity: 60 L Passengers: Maximum quantity: 5 L Special provision: A3, A72, A192

Tunnel restriction code: (D/E)

Packaging instructions: 364 Packaging instructions: 353

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

P5c

Savaca	Category	- Directive	2012/18/EU:
061630	Calegory	- Directive	2012/10/20.

Restrictions relating to th	e product or o	contained substances pursuant to Annex XVII to EC Regulation 1907/2006
Product		
Point	3 - 40	
Contained substance		
Point	75	
Point	69	METHANOL
		REACH Reg.: 01-2119433307-44
Point	48	TOLUENE
		REACH Reg.: 01-2119471310-51

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



SECTION 15. Regulatory information ... / >>

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.

VOC (Directive 2004/42/EC) : Binding primers.

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances N-BUTYL ACETATE

SECTION 16. Other information

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

Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Repr. 2	Reproductive toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
STOT SE 1	Specific target organ toxicity - single exposure, category 1
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
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
Skin Sens. 1	Skin sensitization, category 1
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.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H370	Causes damage to organs.
H332	Harmful if inhaled.
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.
EUH204	Contains isocyanates. May produce an allergic reaction.

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



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SECTION 16. Other information ... / >>

- 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
- 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
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- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
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- 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.

Changes to previous review: The following sections were modified: 01 / 02 / 03 / 08 / 09 / 10 / 11 / 12 / 15 / 16.