	UU	PS Dated 1/1/2022
SB Eco Series: 110, 111, 112, 1 133, 134, 136, 139, 14		
Accord	Safety Data	
SECTION 1. Identification of the sub	estance/mixture and	of the company/undertaking
1.1. Product identifier		
1.1. Product identifier Product name	SB Eco Series	
UFI :	C2W0-F04W-J00V-YAKF	
1.2. Relevant identified uses of the substance or	mixture and uses advised a	against
Intended use Pad printing ink		
1.3. Details of the supplier of the safety data sheet Name	INKCUPS CORPORATION	J
Full address District and Country	310 ANDOVER ST. DANVERS, MA 01923 USA	
	Tel. 978-646-8980	
e-mail address of the competent person		
responsible for the Safety Data Sheet Product distribution by:	compliance@inkcups.com INKCUPS CORP.	n
1.4. Emergency telephone number For urgent inquiries refer to	1.800.424.9300	
SECTION 2. Hazards identification		
2.1. Classification of the substance or mixture		
The product is classified as hazardous pursuant to the supplements). The product thus requires a safety datas Any additional information concerning the risks for healt	heet that complies with the p	
Hazard classification and indication: Flammable liquid, category 3	H226	Flammable liquid and vapour.
Eye irritation, category 2 Specific target organ toxicity - single exposure, category	H319 lory 3 H336	Causes serious eye irritation. May cause drowsiness or dizziness.

2.2. Label elements

Dated 1/1/2022 NKCUPS Page n. 2/22 SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165 Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements. Hazard pictograms: Signal words: Warning Hazard statements: H226 Flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. EUH208 Contains: MALEIC ANHYDRIDE May produce an allergic reaction. Precautionary statements: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves/ protective clothing / eye protection / face protection. P280 P370+P378 In case of fire: use chemical powder, CO2 or dry send to extinguish. Avoid breathing dust, gas or vapours. P261 Call a POISON CENTRE or a doctor if you feel unwell. P312 P403+P233 Store in a well-ventilated place. Keep container tightly closed. 2-METHOXY-1-METHYLETHYL ACETATE Contains: 2-ETHOSSI-1-METHYL ETHYL ACETATE

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%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
2-METHOXY-1-METHYLETHYL ACETATE		
CAS 108-65-6	21 ≤ x < 22,5	Flam. Liq. 3 H226, STOT SE 3 H336
EC 203-603-9		
INDEX 607-195-00-7		
Reg. no. 01-2119475791-29-xxxx		

IN	K	Dated 1/1/2022
•	• •	5, 120, 121, 122, 124, 130, 131, 132, 141, 142, 150, 151, 165
2-ETHOSSI-1-METHYL ETHYL ACETATE		
CAS 54839-24-6	18 ≤ x < 19,5	Flam. Liq. 3 H226, STOT SE 3 H336
EC 259-370-9		
INDEX 603-177-00-8		
Reg. no. 01-2119475116-39xxxx		
4-HYDROXY-4-METHYLPENTAN-2- DNE		
CAS 123-42-2	15 ≤ x < 16,5	Flam. Liq. 3 H226, Eye Irrit. 2 H319
EC 204-626-7		
INDEX 603-016-00-1		
Reg. no. 01-2119473975-21xxxx		
TITANIUM DIOXIDE		
CAS 13463-67-7	9 ≤ x < 10,5	
EC 236-675-5		
INDEX -		
DIPROPYLEN GLYCOL MONOMETHYL ETHER		
CAS 34590-94-8	$2,5 \le x < 3$	Substance with a community workplace exposure limit.
EC 252-104-2		
INDEX -		
Reg. no. 01-2119450011-60xxxx		
MALEIC ANHYDRIDE		
CAS 108-31-6	0 ≤ x < 0,001	Acute Tox. 4 H302, STOT RE 1 H372, Skin Corr. 1B H314, Eye Dam. 1 H318, Resp. Sens. 1 H334, Skin Sens. 1A H317, EUH071
EC 203-571-6		
INDEX 607-096-00-9		

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

SECTION 4. First aid measures

4.1. Description of first aid measures

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

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

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

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

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

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

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

Dated 1/1/2022

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 4/22

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.

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

Dated 1/1/2022

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 5/22

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. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. 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

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,
Bon	Domaphin	СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)
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 2019
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
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
	Ū.	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 Rodziny, Pracy i Polityki Społecznej z dnia 12 czerwca 2018 r. w sprawie
		najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	Hotararea 157/2020 pentru modificarea Hotărârii Guvernului nr. 1.218/2006 privind stabilirea cerintelor
		minime de securitate și sănătate în muncă pentru asigurarea protecției lucrătorilor împotriva riscurilor legate
		de prezenta agentilor chimici, precum si pentru modificarea si completarea Hotărârii Guvernului nr.
		1.093/2006 privind stabilirea cerintelor minime de securitate si sănătate pentru protecția lucrătorilor
		împotriva riscurilor legate de expunerea la agenti cancerigeni sau mutageni la locul de muncă
SWE	Sverige	Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS
	5	2018:1)
TUR	Türkiye	Kimyasal Maddelerle Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OELEU	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.
1		

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 6/22

Dated 1/1/2022

TLV-ACGIH		ACGIH 2020						
2-METHOXY-1-METHYLE Threshold Limit Value	THYL ACETAT	=						
Type	Country	TWA/8h		STEL/15min		Remarks /		
		mg/m3	ppm	mg/m3	ppm	Observatio	ns	
TLV	BGR	275	50	550	100	SKIN		
TLV	CZE	270	49,14	550	100,1	SKIN		
AGW	DEU	270	50	270	50			
MAK	DEU	270	50	270	50			
TLV	DNK	275	50			SKIN	E	
VLA	ESP	275	50	550	100	SKIN		
VLEP	FRA	275	50	550	100	SKIN		
VLEP	ITA	275	50	550	100	SKIN		
TGG	NLD	550						
VLE	PRT	275	50	550	100	SKIN		
NDS/NDSCh	POL	260		520		SKIN		
TLV	ROU	275	50	550	100	SKIN		
NGV/KGV	SWE	275	50	550	100	SKIN		
ESD	TUR	275	50	550	100	SKIN		
WEL	GBR	274	50	548	100	SKIN		
OEL	EU	275	50	550	100	SKIN		
Predicted no-effect concentration	on - PNEC							
Normal value in fresh water				0,635	mg/l			
Normal value in marine water				0,0635	mg/l			
Normal value for fresh water se	ediment			3,29	mg/l	kg		
Normal value for marine water	sediment			0,329	mg/l			
Normal value for water, intermi	ttent release			6,35	mg/l			
Normal value of STP microorga	anisms			100	mg/l			
Normal value for the terrestrial	compartment			0,29	mg/l	kg		
Health - Derived no-effect	t level - DNEL / Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	1,67 mg/kg		,		- , 3
Inhalation			33 mg/m3	33 mg/m3	550 mg/m3		VND	275 mg/m3
Skin			VND	54,8 mg/kg			VND	153,5 mg/kg
2-ETHOSSI-1-METHYL ET Threshold Limit Value	HYL ACETATE							
Туре	Country	TWA/8h		STEL/15min		Remarks /		
		mg/m3	ppm	mg/m3	ppm	Observatio	ns	

Dated 1/1/2022

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Normal value for marine water sediment

Normal value of STP microorganisms

Normal value for water, intermittent release

Page n. 7/22

AGW	DEU	120	20	240	40	SKIN	14	
MAK Predicted no-effect concentration	DEU on - PNEC	120	20	240	40	SKIN	Hinweis	
Normal value in fresh water				2	m	g/l		
				0,8				
Normal value in marine water						g/l		
Normal value for fresh water se				8,2		g/kg		
Normal value for marine water	sediment			0,6	m	g/kg		
Normal value for water, intermit				2	m	g/l		
Normal value of STP microorga	anisms			62,5	m	g/kg		
Normal value for the food chain	i (secondary poiso	ning)		117	m	g/kg		
Normal value for the terrestrial	compartment			0,6	m	g/kg		
Health - Derived no-effect	Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral			VND	systemic 13,1 mg/kg		systemic		systemic
Inhalation	VND	365 mg/m3	VND	181 mg/m3	VND	608 mg/m3	VND	302 mg/m3
Skin		000 mg/m0	VND	62 mg/kg		ooo mgime	VND	103 mg/kg
4-HYDROXY-4-METHYLPI Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
TLV	CZE	200	41,4	300	62,1			
AGW	DEU	96	20	192	40	SKIN		
MAK	DEU	96	20	192	40	SKIN		
TLV	DNK	240	50					
VLA	ESP	241	50					
VLEP	FRA	240	50					
TGG	NLD	120				SKIN		
NDS/NDSCh	POL	240						
TLV	ROU	150	32	250	53			
NGV/KGV	SWE	120	25	240 (C)	50 (C)			
WEL	GBR	241	50	362	75			
TLV-ACGIH		238	50					
Predicted no-effect concentration								
Normal value in fresh water				2		a/l		
						g/l		
Normal value in marine water				0,2		g/l		
Normal value for fresh water se	ediment			9,06	m	g/kg		

0,91

1

82

mg/kg

mg/l

mg/l

SB Eco Series:				=			ted 1/1/2022 ge n. 8/22	
		39, 140, 14				JZ,		
Normal value for the terrestrial o	ompartment			0,63	mg	′kg		
Health - Derived no-effect	Effects on	DMEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
Oral				systemic 3,4 mg/kg		systemic		systemic
Inhalation				11,8 mg/m3				66,4 mg/m3
Skin				3,4 mg/kg				9,4 mg/kg
				o, r nightg				0, 1 mg/ng
Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min		Remark Observa		
		mg/m3	ppm	mg/m3	ppm			
TLV	BGR	10				RESP		
TLV	DNK	6					Som Ti	
VLA	ESP	10						
VLEP	FRA	10						
NDS/NDSCh	POL	10				INHAL		
TLV	ROU	10		15				
NGV/KGV	SWE	5					Totaldam	ım
WEL	GBR	10				INHAL		
WEL	GBR	4				RESP		
TLV-ACGIH		10						
Predicted no-effect concentratio	n - PNEC							
Normal value in fresh water				0,127	mg	/1		
Normal value in marine water				1	mg	1		
Normal value for fresh water se	diment			1000	mg	/kg		
Normal value for marine water s	ediment			100	mg,	-		
Normal value for water, intermit	ent release			0,61	mg	-		
Normal value of STP microorga				100	mg,			
Normal value for the terrestrial of				100	mg			
Health - Derived no-effect	•	DMEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
	/ louic loodi	Addie Systemie	Onionio local	systemic	Addie local	systemic	Onionio local	systemic
Dral				700 mg/m3				10 / - 0
Inhalation								10 mg/m3
DIPROPYLEN GLYCOL M		ETHER						
Threshold Limit Value Type	Country	TWA/8h		STEL/15min		Remark		
		mg/m3	ppm	mg/m3	ppm	Observa	ations	

Dated 1/1/2022

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 9/22

						1		
TLV	CZE	270	43,74	550	89,1	SKIN		
AGW	DEU	310	50	310	50			
MAK	DEU	310	50	310	50			
TLV	DNK	309	50			SKIN	E	
VLA	ESP	308	50			SKIN		
VLEP	FRA	308	50			SKIN		
VLEP	ITA	308	50			SKIN		
TGG	NLD	300						
VLE	PRT	308	50			SKIN		
NDS/NDSCh	POL	240		480		SKIN		
TLV	ROU	308	50			SKIN		
NGV/KGV	SWE	300	50	450 (C)	75 (C)	SKIN		
ESD	TUR	308	50			SKIN		
WEL	GBR	308	50			SKIN		
OEL	EU	308	50			SKIN		
TLV-ACGIH		606	100	909	150	SKIN		
Predicted no-effect concentratio	n - PNEC							
Normal value in fresh water				19	mg	j/l		
Normal value in marine water				1,9	mg	j/l		
Normal value for fresh water see	diment			70,2	mg	J/kg		
Normal value for marine water s	7,02	mg	J/kg					
Normal value for the terrestrial of	compartment			2,74	mg	J/kg		
Health - Derived no-effect	level - DNEL / I Effects on	DMEL			Effects on			
	consumers				workers	-		
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	1,67 mg/kg bw/d				
Inhalation			VND	37,2 mg/m3			VND	310 mg/m3
Skin			VND	15 mg/kg			VND	65 mg/kg
				bw/d				bw/d
Modified amorphous silico	on							
Threshold Limit Value	Country	TWA/8h		STEL/15min		Remarks		
		mg/m3	ppm	mg/m3	ppm	Observat	ions	
VLEP	ITA	3				INHAL		
VLEP	ITA	10				RESP		
HYDROM HYDROPHONE	SILICATE							
Threshold Limit Value	Country	TWA/8h		STEL/15min		Remarks	1	
rype	Country					Observat		
		mg/m3	ppm	mg/m3	ppm			

	NK		CL	J P	S	Dated 1/1/	2022
	ies: 110, 111 33, 134, 136,				• •	32, Page n. 11	0/22
AGW	DEU	4				INHAL	
MAK	DEU	4				INHAL	
MALEIC ANHYDRIDE Threshold Limit Valu							
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
TLV	BGR	1					
TLV	CZE	1	0,245	2	0,49		
AGW	DEU	0,081	0,02	0,081 (C)	0,02 (C)		
MAK	DEU	0,081	0,02	0,081 (C)	0,02 (C)		C = 0,20 mg/m3
TLV	DNK	0,4	0,1				
VLA	ESP	0,4	0,1				
VLEP	FRA			1			
NDS/NDSCh	POL	0,5		1		SKIN	
TLV	ROU	1	0,25	3	0,75		
NGV/KGV	SWE	0,2	0,05	0,4	0,1		
WEL	GBR	1		3			
TLV-ACGIH		0,01	0,0025				
Legend:							
(C) = CEILING ; IN	HAL = Inhalable Fra	action ; RE	SP = Respirable	e Fraction ;	THORA = Thora	acic Fraction.	
VND = hazard identified	but no DNEL/PNEC	available ;	NEA = no exp	osure expected	; NPI = no h	nazard identified.	
8.2. Exposure contro	ols						
through effective local as When choosing persona Personal protective equi	spiration. I protective equipme pment must be CE i	ent, ask your che marked, showing	emical substanc g that it complies	e supplier for adv	ice.	, make sure that	the workplace is well aired
Provide an emergency s	nower with face and	a eye wash statio	UII.				

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374). The following should be considered when choosing work glove material: 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 I 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.

Dated 1/1/2022

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 11/22

EYE PROTECTION Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

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

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

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

ENVIRONMENTAL EXPOSURE CONTROLS

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

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	liquid
Colour	various
Odour	typical of solvent
Odour threshold	Not available
рН	Not available
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	23 ≤ T ≤ 60 °C
Evaporation Rate	Not available
Flammability of solids and gases	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 12/22

Dated 1/1/2022

9.2. Other information

VOC (volatile carbon) :

VOC (Directive 2010/75/EC) :

59,81 % g/litre 34,45 % 598,12

SECTION 10. Stability and reactivity

10.1. Reactivity

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

2-METHOXY-1-METHYLETHYL ACETATE

Stable in normal conditions of use and storage.

With the air it may slowly develop peroxides that explode with an increase in temperature.

4-HYDROXY-4-METHYLPENTAN-2-ONE

Decomposes at temperatures above 90°C/194°F.

DIPROPYLEN GLYCOL MONOMETHYL ETHER

Forms peroxides with: air.

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.

2-METHOXY-1-METHYLETHYL ACETATE

May react violently with: oxidising substances, strong acids, alkaline metals.

4-HYDROXY-4-METHYLPENTAN-2-ONE

Risk of explosion on contact with: air, sources of heat. May react dangerously with: alkaline metals, amines, oxidising agents, acids.

DIPROPYLEN GLYCOL MONOMETHYL ETHER

May react violently with: strong oxidising agents.

10.4. Conditions to avoid

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 13/22

Dated 1/1/2022

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

4-HYDROXY-4-METHYLPENTAN-2-ONE

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

DIPROPYLEN GLYCOL MONOMETHYL ETHER

Avoid exposure to: sources of heat.Possibility of explosion.

10.5. Incompatible materials

2-METHOXY-1-METHYLETHYL ACETATE

Incompatible with: oxidising substances, strong acids, alkaline metals.

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 toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

2-METHOXY-1-METHYLETHYL ACETATE

The main route of entry is the skin, whereas the respiratory route is less important due to the low vapour pressure of the product.

Information on likely routes of exposure

2-METHOXY-1-METHYLETHYL ACETATE

WORKERS: inhalation; contact with the skin.

4-HYDROXY-4-METHYLPENTAN-2-ONE

WORKERS: inhalation; contact with the skin.

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

2-METHOXY-1-METHYLETHYL ACETATE

Dated 1/1/2022

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 14/22

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 (INCR, 2010).

4-HYDROXY-4-METHYLPENTAN-2-ONE

Acute toxicity causes irritation of the eyes, nose and throat in humans at 100 ppm (476 mg/kg) and pulmonary disorders at 400 ppm. No chronic effects on humans have been reported. The substance may have a depressive effect on the respiratory centres and cause death from respiratory failure.

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)

Poliuretainc Resin

LD50 (Oral) > 5000 mg/kg Ratto / Rat

LD50 (Dermal) > 2000 mg/kg Ratto / Rat

DIPROPYLEN GLYCOL MONOMETHYL ETHER

LD50 (Oral) 5660 mg/kg Ratto / Rat

LD50 (Dermal) 19020 mg/kg Coniglio / Rabbit

TITANIUM DIOXIDE

LD50 (Oral) > 5000 mg/l Ratto/Rat

LC50 (Inhalation) > 6,82 mg/l Ratto/Rat

2-METHOXY-1-METHYLETHYL ACETATE

LD50 (Oral) 8500 mg/kg Ratto / Rat

LD50 (Dermal) > 5000 mg/kg Coniglio / Rabbit

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 15/22

Dated 1/1/2022

LC50 (Inhalation) 4345 ppm/6h Ratto / Rat

2-ETHOSSI-1-METHYL ETHYL ACETATE

LD50 (Oral) > 5000 mg/kg Ratto / Rat

LD50 (Dermal) 13,42 ml/Kg Coniglio / Rabbit

LC50 (Inhalation) 6,99 mg/l/4h Rat

4-HYDROXY-4-METHYLPENTAN-2-ONE

LD50 (Oral) 3002 mg/kg Rat

LD50 (Dermal) > 1875 mg/kg Ratto / Rat

LC50 (Inhalation) > 7,6 mg/l Ratto / Rat

MALEIC ANHYDRIDE

LD50 (Oral) 400 mg/kg Rat

LD50 (Dermal) 610 mg/kg Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.Contains:MALEIC ANHYDRIDE

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

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 16/22

Dated 1/1/2022

Does not meet the classification criteria for this hazard class

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

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

Poliuretainc Resin	
LC50 - for Fish	> 100 mg/l/96h Danio rerio
EC50 - for Crustacea	> 100 mg/l/48h Daphnia magna
DIPROPYLEN GLYCOL MONOMETHYL ETHER LC50 - for Fish	> 10000 mg/l/96h Pimephales promelas
EC50 - for Crustacea	1919 mg/l/48h Daphnia Magna
EC10 for Algae / Aquatic Plants	> 969 mg/l/48h
TITANIUM DIOXIDE	
EC50 - for Algae / Aquatic Plants	61 mg/l/72h Pseudokirchneriella subcapitata
Chronic NOEC for Fish	5 mg/l Onchorynchus mykiss
Chronic NOEC for Crustacea	3 mg/l Daphnia magna
2-METHOXY-1-METHYLETHYL ACETATE	
LC50 - for Fish	134 mg/l/96h Pesce, Oncorhynchus mykiss OECD 203
EC50 - for Crustacea	> 500 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 1000 mg/l/72h Selenastrum capricornutum OECD 201
Chronic NOEC for Fish	47,5 mg/l Oryzias latipes 14 gg OECD 204
Chronic NOEC for Crustacea	100 mg/l Dapnia magna 21 gg OECD 202

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 17/22

Dated 1/1/2022

2-ETHOSSI-1-METHYL ETHYL ACETATE

LC50 - for Fish

EC50 - for Crustacea EC50 - for Algae / Aquatic Plants

4-HYDROXY-4-METHYLPENTAN-2-ONE

LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants

12.2. Persistence and degradability

Poliuretainc Resin NOT rapidly degradable

Biodegradazione 1% 28 d

DIPROPYLEN GLYCOL MONOMETHYL ETHER

Solubility in water

Rapidly degradable OECD 301 F - 75% 10 d - 79% 28 d

TITANIUM DIOXIDE

NOT rapidly degradable

2-METHOXY-1-METHYLETHYL ACETATE

Solubility in water Rapidly degradable OECD GI 301F 83% 10 d

2-ETHOSSI-1-METHYL ETHYL ACETATE

Solubility in water Rapidly degradable Activated sludge - 89%/15 d - 100%/28 d

4-HYDROXY-4-METHYLPENTAN-2-ONE

Solubility in water Rapidly degradable AFNOR T 90-312 70% 10 d

MALEIC ANHYDRIDE

Solubility in water Entirely degradable 140 mg/l/48h Oncorhynchus mykiss (test 48h)

- 110 mg/l/48h Daphnia magna
- > 100 mg/l/72h Scenedesmus subspicatus
- > 100 mg/l/96h Oryzias latipes

1000 - 10000 mg/l

> 10000 mg/l

> 10000 mg/l

1000 - 10000 mg/l

> 10000 mg/l

- > 1000 mg/l/48h Daphnia magna
- < 1000 mg/l/72h Pseudokirchneriella subcapitata

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 18/22

Dated 1/1/2022

12.3. Bioaccumulative potential

DIPROPYLEN GLYCOL MONOMETHYL ETHER Partition coefficient: n-octanol/water	0,0043
2-METHOXY-1-METHYLETHYL ACETATE Partition coefficient: n-octanol/water	1,2
BCF	100
2-ETHOSSI-1-METHYL ETHYL ACETATE	
Partition coefficient: n-octanol/water	0,76
BCF	3,162
4-HYDROXY-4-METHYLPENTAN-2-ONE	
Partition coefficient: n-octanol/water	-0,09
MALEIC ANHYDRIDE	
Partition coefficient: n-octanol/water	-2,78
12.4. Mobility in soil	
2-METHOXY-1-METHYLETHYL ACETATE	
Partition coefficient: soil/water	1,7
2-ETHOSSI-1-METHYL ETHYL ACETATE	4
Partition coefficient: soil/water	1
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. 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.

Dated 1/1/2022

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 19/22

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

ADR / RID, IMDG, 1210 IATA:

14.2. UN proper shipping name

ADR / RID:	PRINTING INK or PRINTING INK RELATED MATERIAL
IMDG:	PRINTING INK or PRINTING INK RELATED MATERIAL
IATA:	PRINTING INK or PRINTING INK 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, III IATA:

14.5. Environmental hazards

ADR / RID:	NO
IMDG:	NO
IATA:	NO

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 30	Limited Quantities: 5 L	Tunnel restriction code: (D/E)
	Special provision: -		
IMDG:	EMS: F-E, S-D	Limited Quantities: 5 L	
IATA:	Cargo:	Maximum quantity: 220	Packaging instructions:

INKCU	PS Dated 1/1/2022			
SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 133, 134, 136, 139, 140, 141, 142, 150, 1				
Pass.: Special provision:	L 366 Maximum Packaging quantity: 60 L instructions: 355 A3, A72,			
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	A192			
Information not relevant				
SECTION 15. Regulatory information				
15.1. Safety, health and environmental regulations/legislation specific for the	e substance or mixture			
Seveso Category - Directive 2012/18/EC: P5c				
Restrictions relating to the product or contained substances pursuant to Annex XVII	to EC Regulation 1907/2006			
Product Point 3 - 40				
Contained substance				
Point 75 TITANIUM DIOXID	θE			
Regulation (EC) No. 2019/1148 - on the marketing and use of explosives precursors	i de la constante de			
Not applicable				
Substances in Candidate List (Art. 59 REACH)				
On the basis of available data, the product does not contain any SVHC in percentag	e ≥ than 0,1%.			
Substances subject to authorisation (Annex XIV REACH)				
None				
Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:				
None				
Substances subject to the Rotterdam Convention:				
None				
Substances subject to the Stockholm Convention:				
None				

Dated 1/1/2022

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 21/22

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.

15.2. Chemical safety assessment

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

SECTION 16. Other information

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

Flam. Liq. 3	Flammable liquid, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
Skin Corr. 1B	Skin corrosion, category 1B
Eye Irrit. 2	Eye irritation, category 2
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H372	Causes damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
EUH071	Corrosive to the respiratory tract.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%

Dated 1/1/2022 NKCUPS

SB Eco Series: 110, 111, 112, 115, 120, 121, 122, 124, 130, 131, 132, 133, 134, 136, 139, 140, 141, 142, 150, 151, 165

Page n. 22/22

- **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: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).
- GENERAL BIBLIOGRAPHY
- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 16. Regulation (EU) 2019/521 (XII Atp. CLP)
- 17. Regulation (EU) 2019/1148 18. Regulation (EU) 2020/217 (XIV Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

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.

For information on any exposure scenarios of the substances present in the mixture, contact Sericom Italia srl.

Changes to previous review: The following sections were modified:

01 / 02 / 03 / 04 / 08 / 09 / 11 / 12 / 15 / 16.