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# Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

**1.1. Product identifier** Product name UFI :

SB Series F9K0-R0FN-N00F-JE53

1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use Pad printing ink

**1.3. Details of the supplier of the safety data sheet** Name Full address

District and Country

INKCUPS CORPORATION 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.

#### **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 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:		
Flammable liquid, category 3	H226	Flammable liquid and vapour.
Serious eye damage, category 1	H318	Causes serious eye damage.
Skin irritation, category 2	H315	Causes skin irritation.
Hazardous to the aquatic environment, chronic toxicity,	H412	Harmful to aquatic life with long lasting effects.
category 3		

#### 2.2. Label elements

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

		Series: Page n. 2/27 hite, UltraWhite
Hazard pictograms:	<b>^</b>	
Signal words:	Danger	
azard statements:		
H226 H318 H315 H412 EUH208	Flammable liquid and vapour Causes serious eye damage Causes skin irritation. Harmful to aquatic life with lo Contains: Fatty acids, C18, u propanediamine May produce an allergic read	e. ong lasting effects. unsaturated, dimers, products. Reaction with N, N-dimethyl-1, 3propanediamine and 1,3-
recautionary statemen	is:	
P210 P305+P351+P338 P280 P310 P370+P378 P264	IF IN EYES: Rinse cautiously rinsing. Wear protective gloves/ prote Immediately call a POISON (	powder, CO2 or dry send to extinguish.
Contains:	CYCLOHEXANONE	
3. Other hazards		
n the basis of available	e data, the product does not conta	ain any PBT or vPvB in percentage ≥ than 0,1%.
SECTION 3. Co	mposition/information	on ingredients
3.2. Mixtures		
iontains: Identification TITANIUM DIOXIDE	x = Conc. %	Classification 1272/2008 (CLP)
CAS 13463-67-7 EC 236-675-5 INDEX -	45 ≤ x < 47,5	
CYCLOHEXANONE		

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EC 203-631-1		
INDEX 606-010-00-7		
Reg. no. 01-2119453616-35-xxxx		
2-METHOXY-1-METHYLETHYL ACETATE		
CAS 108-65-6	$8 \le x \le 9$	Flam. Liq. 3 H226, STOT SE 3 H336
EC 203-603-9		
INDEX 607-195-00-7		
Reg. no. 01-2119475791-29-xxxx		
AROMATIC HYDROCARBONS, C9		
CAS -	7≤x< 8	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066, Classification note/notes according to Annex VI to the CLP Regulation: H, P
EC 918-668-5		
INDEX -		
Reg. no. 01-2119455851-35-xxxx		
4-HYDROXY-4-METHYLPENTAN-		
2 <b>-ONE</b> CAS 123-42-2	6≤x< 7	Flam. Liq. 3 H226, Eye Irrit. 2 H319, STOT SE 3 H335
EC 204-626-7		- And Eq. 9 (1220, 230 (110 2 (1010, 010) 02 0 (1000)
INDEX 603-016-00-1		
Reg. no. 01-2119473975-21xxxx		
2-ETHOSSI-1-METHYL ETHYL		
<b>ACETATE</b> CAS 54839-24-6	2,5≤x< 3	Flam. Liq. 3 H226, STOT SE 3 H336
EC 259-370-9		
INDEX 603-177-00-8		
Reg. no. 01-2119475116-39xxxx		
DIPROPYLEN GLYCOL MONOMETHYL ETHER CAS 34590-94-8	0,8 ≤ x < 0,9	Substance with a community workplace exposure limit.
EC 252-104-2	0,0 = A > 0,8	
INDEX -		
Reg. no. 01-2119450011-60xxxx		
Fatty acids, C18, unsaturated,		
dimers, products. Reaction with N, N-dimethyl-1, 3propanediamine and 1,3-propanediamine		
CAS 162627-17-0 EC 605-296-0	0,24 ≤ x < 0,25	Skin Sens. 1 H317
INDEX -		
1-METHOXY-2-PROPANOL	0.40 4 4 4 0.44	
CAS 107-98-2	0,12 ≤ x < 0,14	Flam. Liq. 3 H226, STOT SE 3 H336
FC 202 520 4		
EC 203-539-1 INDEX 603-064-00-3		

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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.

#### 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

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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. 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:

BG	R България	МИНИСТЕРСТВО НА ТРУДА И СОЦИАЛНАТА ПОЛИТИКА МИНИСТЕРСТВО НА
CZ	E Česká Republik	
		stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DE	U Deutschland	TRGS 900 - Seite 1 von 69 (Fassung 29.03.2019)- Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
DN	IK Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ES	P España	LÍMITES DE EXPOSICIÓN PROFESIONAL PARA AGENTES QUÍMICOS EN ESPAÑA 2019 (INSST)

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		,		•••••	•		
FRA	France		Valeurs limites d'	'exposition profess	sionnelle aux agen	ts chimiques en Fra	ance. ED 984 - INRS
ITA	Italia			vo 9 Aprile 2008,			
NLD	Nederland					en Werkgelegenhe	id van 13 juli 2018, 2018-
			0000118517 tot v	wijziging van de A	rbeidsomstandighe	edenregeling in vert	pand met de implementatie van
			Richtlijn 2017/16	4 in Bijlage XIII	-		
PRT	Portugal		Ministério da Eco	onomia e do Empr	ego Consolida as j	prescrições mínima	s em matéria de protecção dos
							osição a agentes químicos no
						l de junho de 2018	
POL	Polska						CZNEJ z dnia 12 czerwca 2018 r
ROU	România						ernului nr. 1.218/2006 privind
					nta agentilor chimi		igurarea protecției lucrătorilor
SWE	Sverige			svärden, AFS 201		CI	
TUR	Türkiye					e Calismalarda Sai	álık ve Güvenlik Önlemleri
TOR	runnye		Hakkında Yönetr		iniyasa waaacici	c çulişinalarda odç	
GBR	United Kingdom				mits (Third edition,	published 2018)	
EU	OEL EU						983; Directive (EU) 2017/2398;
			Directive (EU) 20	)17/164; Directive	2009/161/EU; Dire	ective 2006/15/EC;	Directive 2004/37/EC; Directive
			2000/39/EC; Dire	ective 98/24/EC; D	irective 91/322/EE	C.	
	TLV-ACGIH		ACGIH 2020				
TITANIUM DI	OXIDE						
Threshold Li	mit Value						
Туре		Country	TWA/8h		STEL/15min		Remarks /
							Observations
			mg/m3	ppm	mg/m3	ppm	
TLV		BGR	10				RESP

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	าฑ
WEL	GBR	10				INHAL		
WEL	GBR	4				RESP		
TLV-ACGIH		10						
Predicted no-effect concent	tration - PNEC							
Normal value in fresh water				0,127	mę	g/l		
Normal value in marine wat	er			1	m	g/l		
Normal value for fresh wate	er sediment			1000	m	g/kg		
Normal value for marine wa	ater sediment			100	m	g/kg		
Normal value for water, inte	ermittent release			0,61	m	g/l		
Normal value of STP micro	organisms			100	mę	g/l		
Normal value for the terrest	rial compartment			100	mį	g/kg		
Health - Derived no-eff		OMEL						
	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				700 mg/m3				
Inhalation								10 ma/m3

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CYCLOHEXANONE								
Threshold Limit Value	Country	TWA/8h		STEL/15min		Remarks		
		mg/m3	ppm	mg/m3	ppm	Observati	ons	
TLV	BGR	40,8	10	81,6	20	SKIN		
TLV	CZE	40	9,8	80	196	SKIN		
AGW	DEU	80	20	80	20	SKIN		
TLV	DNK	41	10			SKIN	E	
VLA	ESP	41	10	82	20	SKIN		
VLEP	FRA	40,8	10	81,6	20			
VLEP	ITA	40,8	10	81,6	20	SKIN		
TGG	NLD			50		SKIN		
VLE	PRT	40,8	10	81,6	20	SKIN		
NDS/NDSCh	POL	40		80		SKIN		
TLV	ROU	40,8	10	81,6	20	SKIN		
NGV/KGV	SWE	41	10	81	20	SKIN		
ESD	TUR	40,8	10	81,6	20	SKIN		
WEL	GBR	41	10	82	20	SKIN		
OEL	EU	40,8	10	81,6	20	SKIN		
TLV-ACGIH		80	20	201	50	SKIN		
Predicted no-effect concentration	on - PNEC							
Normal value in fresh water				0,1	mg	/I		
Normal value in marine water				0,01	mg	/I		
Normal value for fresh water se	diment			0,512	mg	/kg		
Normal value for marine water	sediment			0,0512	mg	/kg		
Normal value for water, intermit	tent release			0,329	mg	/I		
Normal value of STP microorga	inisms			10	mg	/I		
Normal value for the terrestrial	compartment			0,0435	mg	/kg		
Health - Derived no-effect	Effects on	DMEL			Effects on workers			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				1,5 mg/kg bw/d				
Inhalation			VND	10 mg/m3			VND	40 mg/m3
Skin			VND	1 mg/kg bw/d			VND	4 mg/kg bw/c
2-METHOXY-1-METHYLE Threshold Limit Value	THYL ACETAT	E						
Туре	Country	TWA/8h		STEL/15min		Remarks Observati		
		mg/m3	ppm	mg/m3	ppm	Observati	UIIS	
TLV	BGR	275	50	550	100	SKIN		

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Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
	Effects on consumers				Effects on workers			
Health - Derived no-ef	fact laval - DNEL / C	MEI					r,2,0 am	
TLV-ACGIH	EU	100	20					netilbenzene netilbenzene
	ITA EU	100	20					netilbenzene
	ITA	mg/m3	ppm	mg/m3	ppm		1004	atilhan
Туре	Country	TWA/8h		STEL/15min		Remarks / Observatio	ns	
AROMATIC HYDROCA						<b></b>		
Skin			VND	54,8 mg/kg			VND	153,5 mg/kg
Inhalation			33 mg/m3	33 mg/m3	550 mg/m3		VND	275 mg/m3
Oral			VND	1,67 mg/kg				
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Health - Derived no-ef	fect level - DNEL / Effects on consumers	DMEL			Effects on workers			
Normal value for the terres	trial compartment			0,29	mç	j/kg		
Normal value of STP micro	oorganisms			100	mg	g/l		
Normal value for water, inte	ermittent release			6,35	mg	g/I		
Normal value for marine wa	ater sediment			0,329	mç	g/I		
Normal value for fresh wate	er sediment			3,29	mg	j/kg		
Normal value in marine wa	ter			0,0635	mç	g/l		
Normal value in fresh wate	r			0,635	mç	g/l		
Predicted no-effect concen	tration - PNEC							
OEL	EU	275	50	550	100	SKIN		
WEL	GBR	274	50	548	100	SKIN		
ESD	TUR	275	50	550	100	SKIN		
NGV/KGV	SWE	275	50	550	100	SKIN		
TLV	ROU	275	50	550	100	SKIN		
NDS/NDSCh	POL	260		520	-	SKIN		
VLE	PRT	275	50	550	100	SKIN		
TGG	NLD	550						
VLEP	ITA	275	50	550	100	SKIN		
VLEP	FRA	275	50	550	100	SKIN		
VLA	ESP	275	50	550	100	SKIN	L	
TLV	DNK	275	50	210	50	SKIN	E	
MAK	DEU	270	50	270	50			
AGW	DEU	270	50	270	50	OKIN		
TLV	CZE	270	49,14	550	100,1	SKIN		

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Oral			VND	11 mg/kg				11 mg/kg
							) (ND	bw/d
Inhalation			VND	32 mg/m3			VND	150 mg/m3
Skin			VND	11 mg/kg			VND	25 mg/kg
4-HYDROXY-4-METHYLPE Threshold Limit Value	NTAN-2-ONE							
Туре	Country	TWA/8h		STEL/15min		Remarks Observat		
		mg/m3	ppm	mg/m3	ppm	Observat	10115	
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 concentratio	n - PNEC							
Normal value in fresh water				2	mg	/I		
Normal value in marine water				0,2	mg	/I		
Normal value for fresh water see	diment			9,06	mg	/kg		
Normal value for marine water s	ediment			0,91	mg	/kg		
Normal value for water, intermitt	ent release			1	mg	/I		
Normal value of STP microorga	nisms			82	mg	/I		
Normal value for the terrestrial of	compartment			0,63	mg	/kg		
Health - Derived no-effect		DMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				3,4 mg/kg				
Inhalation				11,8 mg/m3				66,4 mg/m3
Skin				3,4 mg/kg				9,4 mg/kg
2-ETHOSSI-1-METHYL ET	HYL ACETATE							
Threshold Limit Value Type	Country	TWA/8h		STEL/15min		Remarks	1	
	y		nnm		nnm	Observat		
	DELL	mg/m3	ppm	mg/m3	ppm	OVIN	A A	
AGW MAK	DEU DEU	120 120	20 20	240 240	40 40	SKIN SKIN	14 Hinweis	

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Predicted no-effect concentr	ation - PNEC							
Normal value in fresh water				2	mç	g/l		
Normal value in marine wate	ər			0,8	mç	g/I		
Normal value for fresh water	sediment			8,2	mç	g/kg		
Normal value for marine wat	er sediment			0,6	mg	g/kg		
Normal value for water, inter	mittent release			2	mç	g/l		
Normal value of STP microo	rganisms			62,5	mç	g/kg		
Normal value for the food ch	ain (secondary poison	ing)		117	mç	g/kg		
Normal value for the terrestr	ial compartment			0,6	mç	g/kg		
Health - Derived no-effe	ect level - DNEL / 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			VND	62 mg/kg			VND	103 mg/kg
DIPROPYLEN GLYCOL Threshold Limit Value Type	Country	THER TWA/8h		STEL/15min		Remarks /		
		mg/m3	ppm	mg/m3	ppm	Observatio	ons	
TLV	BGR	308	50		FF	SKIN		
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		
VLE	PRT POL	308 240	50	480		SKIN SKIN		
VLE			50 50	480				
VLE NDS/NDSCh TLV	POL	240		480 450 (C)	75 (C)	SKIN		
VLE NDS/NDSCh TLV	POL ROU	240 308	50		75 (C)	SKIN SKIN		
VLE NDS/NDSCh TLV NGV/KGV ESD	POL ROU SWE	240 308 300	50 50		75 (C)	SKIN SKIN SKIN		
VLE NDS/NDSCh TLV NGV/KGV	POL ROU SWE TUR	240 308 300 308	50 50 50		75 (C)	SKIN SKIN SKIN SKIN		
VLE NDS/NDSCh TLV NGV/KGV ESD WEL	POL ROU SWE TUR GBR	240 308 300 308 308	50 50 50 50		75 (C) 150	SKIN SKIN SKIN SKIN SKIN		
VLE NDS/NDSCh TLV NGV/KGV ESD WEL OEL	POL ROU SWE TUR GBR EU	240 308 300 308 308 308 308	50 50 50 50 50	450 (C)		SKIN SKIN SKIN SKIN SKIN		
VLE NDS/NDSCh TLV NGV/KGV ESD WEL OEL TLV-ACGIH	POL ROU SWE TUR GBR EU	240 308 300 308 308 308 308	50 50 50 50 50	450 (C)		SKIN SKIN SKIN SKIN SKIN SKIN		

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Normal value for fresh wa	ter sediment			70,2	mg	ı/kg		
Normal value for marine v	vater sediment			7,02	mg	ı/kg		
Normal value for the terre	strial compartment			2,74	mg	ı/kg		
Health - Derived no-e	ffect level - DNEL / I 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 1,67 mg/kg bw/d		systemic		systemic
Inhalation			VND	37,2 mg/m3			VND	310 mg/m3
Skin			VND	15 mg/kg bw/d			VND	65 mg/kg bw/d
1-METHOXY-2-PROP Threshold Limit Valu								
Type	Country	TWA/8h		STEL/15min		Remarks Observat		
		mg/m3	ppm	mg/m3	ppm	Observal	10113	
TLV	BGR	375	100	568	150	SKIN		
TLV	CZE	270	72,09	550	146,85	SKIN		
AGW	DEU	370	100	740	200			
MAK	DEU	370	100	740	200			
TLV	DNK	185	50			SKIN	E	
VLA	ESP	375	100	568	150	SKIN		
VLEP	FRA	188	50	375	100	SKIN		
VLEP	ITA	375	100	568	150	SKIN		
TGG	NLD	375		563		SKIN		
VLE	PRT	375	100	568	150			
NDS/NDSCh	POL	180		360		SKIN		
TLV	ROU	375	100	568	150	SKIN		
NGV/KGV	SWE	190	50	568	150	SKIN		
ESD	TUR	375	100	568	150	SKIN		
WEL	GBR	375	100	560	150	SKIN		
OEL	EU	375	100	568	150	SKIN		
TLV-ACGIH		184	50	368	100			
Predicted no-effect conce	ntration - PNEC							
Normal value in fresh wat	er			10	mç	J/I		
Normal value in marine w	ater			1	mç	ı/I		
Normal value for fresh wa	ter sediment			41,6	mg	ı/I		
Normal value for marine v	vater sediment			4,17	mg	ı/kg		
Normal value for water, ir	termittent release			100	mg	ı/I		
Normal value of STP mice	oorganisms			100	mç	ı/I		

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	Effects on				Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic systemic	workers Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	3,3 mg/kg		oyotonno		3,3 mg/kg bw/d
Inhalation	553,5 mg/m3	VND	VND	43,9 mg/m3	535,5 mg/m3	VND	535,5 mg/m3	369 mg/m3
Skin			VND	18,1 mg/kg			VND	50,6 mg/kg
Traduci da: Indonesiano								
Predicted no-effect concentration	ion - PNEC							
Normal value in fresh water				0,0032	mg/	1		
Normal value in marine water				0,0032	mg/	1		
				15,6	mg/	kg		
Normal value for fresh water se	ediment							
				0,0032	mg/	1		
Normal value for fresh water so Normal value for water, interm	ittent release			0,0032 35	mg/			
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg	ittent release anisms				mg/			
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg Normal value for the terrestrial	ittent release anisms compartment			35	mg/	1		
Normal value for fresh water so Normal value for water, interm	ittent release anisms compartment t level - DNEL / D Effects on	MEL		35	mg/ mg/ Effects on	1		
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg Normal value for the terrestrial <b>Health - Derived no-effec</b>	ittent release anisms compartment <b>t level - DNEL / D</b> Effects on consumers		Chronic local	35 0,865	mg/ mg/ Effects on workers	l kg/d	Chronic local	Chronic
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg Normal value for the terrestrial Health - Derived no-effec Route of exposure	ittent release anisms compartment t level - DNEL / D Effects on	Acute systemic	Chronic local	35	mg/ mg/ Effects on	1	Chronic local	Chronic systemic
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg Normal value for the terrestrial <b>Health - Derived no-effec</b>	ittent release anisms compartment <b>t level - DNEL / D</b> Effects on consumers		Chronic local	35 0,865 Chronic	mg/ mg/ Effects on workers	l kg/d Acute	Chronic local	
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg Normal value for the terrestrial Health - Derived no-effec Route of exposure	ittent release anisms compartment <b>t level - DNEL / D</b> Effects on consumers	Acute systemic	Chronic local	35 0,865 Chronic	mg/ mg/ Effects on workers	l kg/d Acute	Chronic local	
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg Normal value for the terrestrial Health - Derived no-effec Route of exposure Oral	ittent release anisms compartment <b>t level - DNEL / D</b> Effects on consumers	Acute systemic	Chronic local	35 0,865 Chronic systemic	mg/ mg/ Effects on workers	l kg/d Acute	Chronic local	systemic
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg Normal value for the terrestrial Health - Derived no-effec Route of exposure Oral Inhalation	ittent release anisms compartment it <b>level - DNEL / D</b> Effects on consumers Acute local	Acute systemic	Chronic local	35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg	mg/ mg/ Effects on workers	l kg/d Acute	Chronic local	systemic 17,8 mg/m3 25,5 mg/kg
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg Normal value for the terrestrial Health - Derived no-effec Route of exposure Oral Inhalation Skin HYDROM HYDROPHONE	ittent release anisms compartment it <b>level - DNEL / D</b> Effects on consumers Acute local	Acute systemic	Chronic local	35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg	mg/ mg/ Effects on workers	l kg/d Acute	1	systemic 17,8 mg/m3 25,5 mg/kg
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg Normal value of stP microorg Normal value for the terrestrial Health - Derived no-effec Route of exposure Oral Inhalation Skin HYDROM HYDROPHONE Threshold Limit Value	ittent release anisms compartment it level - DNEL / D Effects on consumers Acute local	Acute systemic 1,3 mg/kg bw/d	Chronic local	35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg bw/d	mg/ mg/ Effects on workers	l kg/d Acute systemic	1	systemic 17,8 mg/m3 25,5 mg/kg
Normal value for fresh water so Normal value for water, interm Normal value of STP microorg Normal value of stP microorg Normal value for the terrestrial Health - Derived no-effec Route of exposure Oral Inhalation Skin HYDROM HYDROPHONE Threshold Limit Value	ittent release anisms compartment it level - DNEL / D Effects on consumers Acute local	Acute systemic 1,3 mg/kg bw/d		35 0,865 Chronic systemic 4,4 mg/m3 13 mg/kg bw/d STEL/15min	Effects on workers Acute local	l kg/d Acute systemic	1	systemic 17,8 mg/m3 25,5 mg/kg

(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.

#### 8.2. Exposure controls

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

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

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

Provide an emergency shower with face and eye wash station.

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#### HAND PROTECTION

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

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

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 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.

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

liquid
white
characteristic of solvent
Not available
23 ≤ T ≤ 60 °C
Not available

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Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	insoluble in water
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
9.2. Other information	

VOC (Directive 2010/75/EC) :	40,55 %
VOC (volatile carbon) :	27,40 %

### **SECTION 10. Stability and reactivity**

#### 10.1. Reactivity

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

#### CYCLOHEXANONE

Attacks various types of plastic materials.

May condense under the effect of heat to form resinous compounds.

#### 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.

1-METHOXY-2-PROPANOL

Dissolves various plastic materials.Stable in normal conditions of use and storage.

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## SB Series: 160, Superwhite, UltraWhite

Absorbs and disolves in water and in organic solvents. With air it may slowly form explosive peroxides.

#### 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.

#### CYCLOHEXANONE

Risk of explosion on contact with: hydrogen peroxide,nitric acid,heat,mineral acids.May react violently with: oxidising agents.Forms explosive mixtures with: 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.

1-METHOXY-2-PROPANOL

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

#### 10.4. Conditions to avoid

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

#### CYCLOHEXANONE

Avoid exposure to: sources of heat, naked flames.

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.

1-METHOXY-2-PROPANOL

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### SB Series: 160, Superwhite, UltraWhite

Avoid exposure to: air.

#### 10.5. Incompatible materials

2-METHOXY-1-METHYLETHYL ACETATE

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

1-METHOXY-2-PROPANOL

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.

1-METHOXY-2-PROPANOL

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

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

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2-METHOXY-1-METHYLETHYL ACETATE

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.

1-METHOXY-2-PROPANOL

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

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: > 20 mg/l ATE (Oral) of the mixture: >2000 mg/kg ATE (Dermal) of the mixture: >2000 mg/kg

Poliuretainc Resin

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

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

AROMATIC HYDROCARBONS, C9

LD50 (Oral) 3492 mg/kg Ratto / Rat

LD50 (Dermal) > 3160 mg/kg Ratto / Rat

LC50 (Inhalation) > 6193 mg/l/4h Ratto / Rat

DIPROPYLEN GLYCOL MONOMETHYL ETHER

LD50 (Oral) 5660 mg/kg Ratto / Rat

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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

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

1-METHOXY-2-PROPANOL

LD50 (Oral) 4000 mg/kg Rat

LD50 (Dermal) 13000 mg/kg Rabbit

LC50 (Inhalation) 54,6 mg/l/4h Rat

CYCLOHEXANONE

LD50 (Oral) 1535 mg/kg Ratto / Rat

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## SB Series: 160, Superwhite, UltraWhite

LD50 (Dermal) 1100 mg/kg 794 - 3160 / Coniglio / Rabbit

LC50 (Inhalation) 11 mg/l/4h Ratto / Rat (4h)

Silicic acid, sodium aluminum salt

LD50 (Oral) > 10000 mg/kg ratto/rat

LD50 (Dermal) > 5000 mg/kg coniglio/rabbit

### SKIN CORROSION / IRRITATION

Causes skin irritation

#### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

#### RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.Contains:Fatty acids, C18, unsaturated, dimers, products. Reaction with N, N-dimethyl-1, 3propanediamine and 1,3propanediamine

#### 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

Does not meet the classification criteria for this hazard class

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

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**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** 

Poliuretainc Resin LC50 - for Fish EC50 - for Crustacea

AROMATIC HYDROCARBONS, C9

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

DIPROPYLEN GLYCOL MONOMETHYL ETHER LC50 - for Fish EC50 - for Crustacea EC10 for Algae / Aquatic Plants

TITANIUM DIOXIDE EC50 - for Algae / Aquatic Plants Chronic NOEC for Fish Chronic NOEC for Crustacea

# 2-METHOXY-1-METHYLETHYL ACETATE

EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Fish Chronic NOEC for Crustacea

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

- > 100 mg/l/96h Danio rerio
- > 100 mg/l/48h Daphnia magna

> 9,2 mg/l/96h Oncorhynchus mykiss > 3,2 mg/l/48h Daphnia magna

> 2,9 mg/l/72h Pseudokirchneriella subcapitata

> 10000 mg/l/96h Pimephales promelas 1919 mg/l/48h Daphnia Magna > 969 mg/l/48h

61 mg/l/72h Pseudokirchneriella subcapitata 5 mg/l Onchorynchus mykiss 3 mg/l Daphnia magna

134 mg/l/96h Pesce, Oncorhynchus mykiss OECD 203
> 500 mg/l/48h Daphnia magna
> 1000 mg/l/72h Selenastrum capricornutum OECD 201
47,5 mg/l Oryzias latipes 14 gg OECD 204
100 mg/l Dapnia magna 21 gg OECD 202

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

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1-METHOXY-2-PROPANOL LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants

CYCLOHEXANONE

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

Silicic acid, sodium aluminum salt LC50 - for Fish EC50 - for Algae / Aquatic Plants

#### 12.2. Persistence and degradability

Poliuretainc Resin NOT rapidly degradable

Biodegradazione 1% 28 d

# AROMATIC HYDROCARBONS, C9

Rapidly degradable

#### DIPROPYLEN GLYCOL MONOMETHYL ETHER Solubility in water

Rapidly degradable

# TITANIUM DIOXIDE

NOT rapidly degradable

# 2-METHOXY-1-METHYLETHYL ACETATE

Solubility in water Rapidly degradable

# 2-ETHOSSI-1-METHYL ETHYL ACETATE

Solubility in water Rapidly degradable

# 4-HYDROXY-4-METHYLPENTAN-2-ONE

Solubility in water

- > 20800 mg/l/96h Pimephales promelas
- > 21100 mg/l/48h Daphnia magna, prova statica
- > 1000 mg/l/72h Scenedesmus subspicatus, prova statica

527 mg/l/96h 527 - 732 / Pimephales promelas

> 100 mg/l/48h Daphnia magna

1000 - 10000 mg/l

> 10000 mg/l

> 10000 mg/l

1000 - 10000 mg/l

- > 100 mg/l/72h Scenedesmus subspicatus
- > 10000 mg/l/96h Brachydanio rerio (OECD 203)
- > 10000 mg/l/72h Scenedesmus suspicatus (OECD 201)

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Rapidly degradable		
1-METHOXY-2-PROPANOL		
Solubility in water	1000 - 10000 mg/l	
Rapidly degradable		
CYCLOHEXANONE		
Solubility in water	86 mg/l	
Rapidly degradable 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	
1-METHOXY-2-PROPANOL		
Partition coefficient: n-octanol/water	< 1	
CYCLOHEXANONE		
Partition coefficient: n-octanol/water	0,86	
12.4. Mobility in soil		
2-METHOXY-1-METHYLETHYL ACETATE		
Partition coefficient: soil/water	1,7	
2-ETHOSSI-1-METHYL ETHYL ACETATE		
Partition coefficient: soil/water	1	
CYCLOHEXANONE		
Partition coefficient: soil/water	1,18	
12.5. Results of PBT and vPvB assessment		

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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.

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
IMDG:	PRINTING INK
IATA:	PRINTING INK

#### 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:

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14.5. Environmental hazards

ADR / RID:	NO
IMDG:	NO
IATA:	NO

#### 14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 30 Special Provision: -	Limited Quantities: 5 L	Tunnel restriction code: (D/E)
IMDG:	EMS: F-E, S-D	Limited Quantities: 5 I	
ΙΑΤΑ:	Cargo:	– Maximum quantity: 220 L	Packaging instructions: 366
	Pass.:	Maximum quantity: 60 L	Packaging instructions: 355
	Special Instructions:	A3, A72, A192	

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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/EC: P5c

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

Product Point

3 - 40

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 (EC) Reg. 649/2012:

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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.

#### 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
Asp. Tox. 1	Aspiration hazard, category 1
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
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.

# KCUPS

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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.

I EGEND.

- 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%
- **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
- Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
   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)
- 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

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### SB Series: 160, Superwhite, UltraWhite

- 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.