INK	CUPS	Revision nr. 6
		Dated 14/03/2019
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	Safety data sheet	
SECTION 1. Identification of the	e substance/mixture and of the cor	npany/undertaking
1.1. Product identifier Product name	SB Eco Series	
1.2. Relevant identified uses of the substar Intended use Pad printing i		
1.3. Details of the supplier of the safety dat	a sheet	
Name Full address District and Country	INKCUPS CORPORATION 310 ANDOVER ST. DANVERS, MA 01945 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.	
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 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 EC Regulation 1907/2006 and subsequent amendments. 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	Flammab
Eye irritation, category 2	H319	Causes s
Specific target organ toxicity - single exposure, category 3	H336	May caus

Flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

2.2. Label elements

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

Hazard pictograms:

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	<u>(!)</u>	
Signal words:	Warning	
azard statements:		
H226 H319 H336	Flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.	
recautionary stateme	ents:	
P210 P261 P280 P312 P370+P378 P403+P233	Keep away from heat, hot surfaces, sparks, open flames and other ignition Avoid breathing dust, gas or vapours. Wear protective gloves / eye protection / face protection. Call a POISON CENTRE or a doctor if you feel unwell. In case of fire: use chemical powder, CO2 or dry send to extinguish. Store in a well-ventilated place. Keep container tightly closed.	on sources. No smoking.
Contains:	2-ETHOXY-1-METHYLETHYL ACETATE	
2.3. Other hazards		
n the basis of availa	ble data, the product does not contain any PBT or vPvB in percentage greater th	han 0,1%.
SECTION 3. C	composition/information on ingredients	
3.1. Substances		
formation not releva	nt	
3.2. Mixtures		

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
2-ETHOXY-1-METHYLETHYL ACETATE		
CAS 54839-24-6	22,5 ≤ x < 24	Flam. Liq. 3 H226, STOT SE 3 H336
EC 259-370-9		
INDEX 603-177-00-8		
Reg. no. 01-2119475116-39xxxx		
2-METHOXY-1-METHYLETHYL ACETATE		
CAS 108-65-6	21 ≤ x < 22,5	Flam. Liq. 3 H226
EC 203-603-9		
INDEX 607-195-00-7		
Reg. no. 01-2119475791-29-xxxx		

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4-HYDROXY-4-METHYLPENTAN-2-ONE		
CAS 123-42-2 1	18 ≤ x < 19,5	Flam. Liq. 3 H226, Eye Irrit. 2
EC 204-626-7		H319
INDEX 603-016-00-1		
Reg. no. 01-2119473975-21xxxx		
DIPROPYLENE GLYCOL MONOMETHYL ETHER		
CAS 34590-94-8 3	$3,5 \le x \le 4$	Substance with a community workplace exposure limit.
EC 252-104-2		
INDEX -		
Reg. no. 01-2119450011-60xxxx		

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. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately. INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person,

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

unless authorised by a doctor.

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.

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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. 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. If the product is flammable, use explosion-proof equipment. 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

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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 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:

ТИКА МИНИСТЕРСТВО НА ри 2003 г
pm 2000 1
ínky ochrany zdraví při práci
químicos en España 2015

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		rayen. Oris
ITA		
	Italia	Decreto Legislativo 9 Aprile 2008, n.81
POL		
	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r
PRT		
	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diaro da Republica I 26; 2012-02-06
SWE		
	Sverige	Occupational Exposure Limit Values, AF 2011:18
TUR		
	Türkiye	2000/39/EC sayılı Direktifin ekidir
EU		
	OEL EU	Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2009/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2016

2-ETHOXY-1-METHYLETHYL ACETATE

Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
AGW								
	DEU	300	50	600	100			
MAK								
	DEU	300	50	600	100			
Predicted no-effect concentration	n - PNEC							
Normal value in fresh water				1,3	mg	/I		
Normal value in marine water				0,13	mg	/I		
Normal value for fresh water sed	liment			6,4	mg	/kg		
Normal value for marine water se	Normal value for marine water sediment				mg/kg			
Normal value for water, intermitte	ent release			1,3	mg/l			
Normal value of STP microorgan	isms			62,5	mg	/kg		
Normal value for the food chain ((secondary poisor	ning)		117	mg	/kg		
Normal value for the terrestrial co	ompartment			1,34	mg	/kg		
Health - Derived no-effect		DMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic
Oral			VND	13,1 mg/kg			Systemic	Systemic
Inhalation Skin	VND	365 mg/m3	VND VND	181 mg/m3 62 mg/kg	VND	608 mg/m3	VND VND	302 mg/m3 103 mg/kg
2-METHOXY-1-METHYLET	HYL ACETATE							
Threshold Limit Value Type	Country	TWA/8h		STEL/15min				
••	,							

mg/m3

ppm

mg/m3

ppm

TLV

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	BGR	275		550		SKIN		
TLV	CZE	270		550		SKIN		
AGW	02L	210		330		ONIN		
MAIZ	DEU	270	50	270	50			
МАК	DEU	270	50	270	50			
TLV								
VLA	DNK	275	50			SKIN		
	ESP	275	50	550	100	SKIN		
VLEP					100	0.70		
WEL	FRA	275	50	550	100	SKIN		
	GBR	274	50	548	100			
VLEP	ITA	275	50	550	100	SKIN		
NDS	ПА	215	50	350	100	SIXIN		
	POL	260		520				
VLE	PRT	275	50	550	100	SKIN		
МАК								
ESD	SWE	250	50	400	75	SKIN		
	TUR	275	50	550	100	SKIN		
OEL								
	EU	275	50	550	100	SKIN		
Predicted no-effect concentration	- PNEC							
Normal value in fresh water				0,635	mg/l			
Normal value in marine water				0,0635	mg/l			
Normal value for fresh water sedi				3,29	mg/kg			
Normal value for marine water se				0,329	mg/l			
Normal value for water, intermitte				6,35 100	mg/l			
Normal value of STP microorgani Normal value for the terrestrial co				100 0,29	mg/l mg/kg			
Health - Derived no-effect le	•	MEL		·				
	Effects on				Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic systemic	workers Chronic local	Acute local	Acute systemic	Chronic systemic
Oral			VND	1,67 mg/kg				
Inhalation			VND	33 mg/m3			VND	272 mg/m3
Skin			VND	54,8 mg/kg			VND	153,5 mg/kg

4-HYDROXY-4-METHYLPENTAN-2-ONE Threshold Limit Value

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Гуре	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm		
۲LV		ing/ino	ppin	ilig/ilio	ppm		
· - -	CZE	200		300			
N GW							
	DEU	96	20	192	40	SKIN	
МАК							
	DEU	96	20	192	40	SKIN	
ΓLV							
	DNK	240	50				
/LA							
	ESP	241	50				
/LEP							
	FRA	240	50				
VEL							
	GBR	241	50	362	75		
NDS							
	POL	240					
ЛАК							
	SWE	120	25	240	50		
ILV-ACGIH		238	50				
		238	50				
DIPROPYLENE GLYCOL	MONOMETHY	FTHER					
Threshold Limit Value							
Гуре	Country	TWA/8h		STEL/15min			
LV		mg/m3	ppm	mg/m3	ppm		
LV	BGR	308				SKIN	
ĽV	DGK	300				SKIN	
	CZE	270		550		SKIN	
AGW	JEL					51111	
	DEU	310	50	310	50		
МАК							
	DEU	310	50	310	50		
ΓLV							
	DNK	300	50				
/LA							
/LA	ESP	308	50			SKIN	
/LA /LEP		308	50			SKIN	
		308 308	50 50			SKIN SKIN	
	ESP FRA	308	50			SKIN	
/LEP	ESP						

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	ITA	308	50			SKIN		
NDS								
	POL	240		480				
VLE								
	PRT	308	50			SKIN		
MAK								
	SWE	300	50	450	75	SKIN		
ESD								
	TUR	308	50			SKIN		
OEL								
	EU	308	50			SKIN		
TLV-ACGIH								
		606	100	909	150	SKIN		
Predicted no-effect concentration	- PNEC							
Normal value in fresh water				19	mg/l			
Normal value in marine water				1,9	mg/l			
Normal value for fresh water sedi	ment			70,2 mg/kg				
Normal value for marine water se	diment			7,02	mg/ł	٨g		
Normal value for water, intermitte	nt release			190	mg/l			
Normal value of STP microorgani	sms			4168	mg/l			
Normal value for the terrestrial co	mpartment			2,74	mg/ł	kg		
Health - Derived no-effect le	evel - DNEL / D Effects on	MEL			Effects on			
Dauta af anna anna	consumers	A	Obarazia la sal	Ohaania	workers	A	-1 4	Ohmenia
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute loc	al Acute systemic	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 bw/d			VND	65 mg/kg bw/d
2,5-tiofenedilbis(5-terz-buti	I-1,3-benzossa	zolo)						
Threshold Limit Value Type	Country	TWA/8h		STEL/15min				
1,960	Country	mg/m3	ppm	mg/m3	ppm			
TLV-ACGIH		g/mo	PP'''		PP10			
		10	0	0	0			
			·	÷	č			

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.

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.

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When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (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 Directive 89/686/EEC 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.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Colour Odour Odour threshold pH Melting point / freezing point Initial boiling point Boiling range Flash point Evaporation Rate Flammability of solids and gases Lower inflammability limit Upper inflammability limit Upper explosive limit Upper explosive limit Upper explosive limit Vapour pressure Vapour density Relative density Solubility Partition coefficient: p-octapol/water	liquid various typical of solvent Not available Not available > 125 °C Not available 40 °C Not available Not available
,	Not available Not available Not available

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Decomposition temperature Viscosity Explosive properties Oxidising properties Not available Not available Not available Not available

9.2. Other information

Information not available

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.

DIPROPYLENE GLYCOL MONOMETHYL ETHER May react with: oxidising substances.When heated to decomposition releases: harsh fumes,zinc alloys.

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.

10.4. Conditions to avoid

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

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4-HYDROXY-4-METHYLPENTAN-2-ONE Avoid exposure to: light, sources of heat, naked flames.

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

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 LC50 (Inhalation) of the mixture:Not classified (no significant component) LD50 (Oral) of the mixture:Not classified (no significant component)

LD50 (Dermal) of the mixture:Not classified (no significant component)

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DIPROPYLENE GLYCOL MONOMETHYL ETHER LD50 (Oral) > 5000 mg/kg Ratto / Rat LD50 (Dermal) 19020 mg/kg Coniglio / Rabbit

2-METHOXY-1-METHYLETHYL ACETATE LD50 (Oral) 8530 mg/kg Rat LD50 (Dermal) > 5000 mg/kg Rat LC50 (Inhalation) > 4345 ppm/6h Ratto / Rat

2-ETHOXY-1-METHYLETHYL 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) 4000 mg/kg Rat LC50 (Inhalation) > 7600 mg/l Ratto / 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 Does not meet the classification criteria for this hazard class GERM CELL MUTAGENICITY Does not meet the classification criteria for this hazard class CARCINOGENICITY Does not meet the classification criteria for this hazard class REPRODUCTIVE TOXICITY Does not meet the classification criteria for this hazard class STOT - SINGLE EXPOSURE May cause drowsiness or dizziness STOT - REPEATED EXPOSURE 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

DIPROPYLENE GLYCOL MONOMETHYL ETHER LC50 - for Fish	> 1000 mg/l/96h Poecilia reticulata
EC50 - for Crustacea	> 969 mg/l/48h Algae (96h)
2-METHOXY-1- METHYLETHYL ACETATE LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Fish	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

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Chronic NOEC for Crustacea	100 mg/l Dapnia magna 21 gg OECD 202
2-ETHOXY-1- METHYLETHYL ACETATE LC50 - for Fish	140 mg/l/48h Oncorhynchus mykiss (test 48h)
EC50 - for Crustacea	110 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h Scenedesmus subspicatus
4-HYDROXY-4- METHYLPENTAN-2-ONE LC50 - for Fish	> 100 mg/l/96h Fish
EC50 - for Crustacea	> 1000 mg/l/48h Daphnia magna
12.2. Persistence and degradability	
DIPROPYLENE GLYCOL MONOMETHYL ETHER Solubility in water	1000 - 10000 mg/l
Rapidly degradable	
2-METHOXY-1- METHYLETHYL ACETATE Solubility in water	> 10000 mg/l
Rapidly degradable	
2-ETHOXY-1- METHYLETHYL ACETATE Solubility in water	> 10000 mg/l
Rapidly degradable	
4-HYDROXY-4- METHYLPENTAN-2-ONE Solubility in water Rapidly degradable	1000 - 10000 mg/l
12.3. Bioaccumulative potential	
DIPROPYLENE GLYCOL MONOMETHYL ETHER Partition coefficient: n- octanol/water	0,0043
2-METHOXY-1- METHYLETHYL ACETATE Partition coefficient: n- octanol/water	1,2

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0,76 3,162
-0,09

2-ETHOXY-1-METHYLETHYL ACETATE Partition coefficient: soil/water

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 greater than 0,1%.

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 or PRINTING INK RELATED

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IMDG:	MATERIAL PRINTING INK or PRINTING INK
	RELATED MATERIAI
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 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

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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 greater than 0,1%.	
Substances subject to authorisarion (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	
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

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

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

Flam. Liq. 3	Flammable liquid, category 3
Eye Irrit. 2	Eye irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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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%
- **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 (EU) 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
- Regulation (EU) 2015/830 of the European Parliament
 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
- 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.

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