

SUBID : 000001012272

Version		Print Date 05.09.2011
Revision Date 00.00.0000		
1. IDENTIFICATION OF THE S	UBSTANCE/MIXTURE AND OF THE	COMPANY/UNDERTAKING
1.1 Identification of the sul	bstance or mixture:	
Product name	: AGORA S1.2 BLACK	
REACH Registration No	: Registration numbers of the in 3.2.	dividual components: see section
1.2 Use of the substance/n	nixture:	
Identified relevant uses Uses advised against	Printer inkOnly for professional use.	
1.3 Company/undertaking	identification	
Agfa-Gevaert NV Septestraat 27 2640 Mortsel Belgium Tel. : +32 3 4445501 Fax : +32 3 4445503 Person responsible for the s E-mail: electronic.sds@agfa	safety data sheet: Jos Vanholzaets a.com	
1.4 Emergency telephone		
Emergency telephone num	ber : +32 3 4443333 (24h/24h)	
2. HAZARDS IDENTIFICATION		

2.1 Classification of the substance or mixture:

•	Hazard classes	Acute toxicity Oral
-	Hazard categories	Category 4
	Hazard statements	H302
	Classification procedure	According the classification criteria of CLP Regulation (EC) No 1272/2008.
•	Hazard classes	Skin sensitizer
	Hazard categories	Category 1
	Hazard statements	H317
	Classification procedure	According the classification criteria of CLP Regulation (EC) No 1272/2008.
•	Hazard classes	Specific target organ toxicity - repeated exposure
	Hazard categories	Category 2
	Hazard statements	H373
	Classification procedure	According the classification criteria of CLP Regulation (EC) No 1272/2008.
•	Hazard classes	Chronic hazards to the aquatic environment
	Hazard categories	Category 3
	Hazard statements	H412
	Classification procedure	According the classification criteria of CLP Regulation (EC) No 1272/2008.
•	Hazard classes	Toxic to reproduction
	Hazard categories	Category 2



SUBID : 000001012272

Version

Revision Date 00.00.0000

Print Date 05.09.2011

	Hazard statements	H361fd
	Classification procedure	According the classification criteria of CLP Regulation (EC) No 1272/2008.
•	Hazard classes	Serious eye irritation
	Hazard categories	Category 2
	Hazard statements	H319
	Classification procedure	According the classification criteria of CLP Regulation (EC) No 1272/2008.
•	Hazard classes	Specific target organ toxicity - single exposure
	Hazard categories	Category 3
	Hazard statements	H335
	Classification procedure	According the classification criteria of CLP Regulation (EC) No 1272/2008.
•	Hazard classes	Skin irritation
	Hazard categories	Category 2
	Hazard statements	H315
	Classification procedure	According the classification criteria of CLP Regulation (EC) No 1272/2008.

67/548/EEC or 1999/45/EC

07/546/220 01 1999/43/20		
Hazards characteristics	Harmful	
R-phrase(s)	R22, R36/37/38, R43, R48/22, R52/53	

Full text of each relevant R and H phrase is listed in section 16.

2.2 Label elements:

Hazardous components which must be listed on the label :

- CAS-No.
- : 86273-46-3 2-(2-Vinyloxyethoxy) ethyl acrylate 75980-60-8 Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

Symbol(s)

(!)		
GHS07	GHS08	
Signal word Hazard statements	: WARNING : H302	Harmful if swallowed.
	H317	May cause an allergic skin reaction.
	H373	May cause damage to organs through prolonged or repeated exposure.
	H412	Harmful to aquatic life with long lasting effects.
	H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H315	Causes skin irritation.
Precautionary statements: general	: P201	Obtain special instructions before use.
-	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P273	Avoid release to the environment.



SUBID : 000001012272 Print Date 05.09.2011

Version

Revision Date 00.00.0000

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281 P333+P313	Use personal protective equipment as required. If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards:

This product does not meet the criteria concerning PBT or vPvB substances as described in Annex XIII of the REACH regulation (1907/2006 EC)

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture related information:

Printer ink, mainly consisting of:

3.2 Hazard ingredients:

The hazard and labelling information in this section is that of the individual ingredients. The corresponding information relative to this product as supplied is given in section 2.1.

Hazardous components in the meaning of regulation(EC) No 1272/2008 (CLP)

 2-(2-Vinyloxyethoxy) ethyl ac 	ryla	te	Concentration [%] :	, 10,0	-	20,0
CAS-No.	:	86273-46-3				
REACH Registration No	:	Transition time acc not expired.	cording to REACH regu	lation art	icle 2	3 is still
Hazard classes	:		Skin sensitizer, Specif exposure Oral, Chronic nt			
Hazard categoriesAcrylateREACH Registration No	:		ory 1, Category 2, Cate Concentration [%] : cording to REACH regu	60,0	- icle 23	80,0 3 is still
Hazard classes	:		on, Specific target orga n, Skin irritation, Chron nt			
 Hazard categories Phosphine oxide, diphenyl(2, trimethylbenzoyl)- 	: 4,6-	Category 2, Catego	ory 3, Category 2, Cate Concentration [%] :	gory 2 1,0	-	5,0
CAS-No.	1	75980-60-8				
EINECS-No.	1	278-355-8				
REACH Registration No	:	Transition time acc not expired.	cording to REACH regu	lation art	icle 2	3 is still
Hazard classes	:		on, Chronic hazards to	the aqua	atic	
Hazard categories	:	Category 2, Catego	ory 3			
Hazardous components in the	e me	eaning of 67/548/EI	EC or 1999/45/EC			
 2-(2-Vinyloxyethoxy) ethyl ac CAS-No. Symbol(s) R-phrase(s) 	ryla : :	te 86273-46-3 Xn R22, R43, R48/22	Concentration [%] :	10,0	-	20,0
Acrylate	•	1122, 1140, 1140/22	Concentration [%] :	60,0	-	80,0
BE		3/18				EN



SUBID : 000001012272

		SUBID : 000001012272			
Version Revision Date 00.00.0000		Print Date 05.09.2011			
Symbol(s) R-phrase(s) Phosphine oxide, diphenyl(2 trimethylbenzoyl)- CAS-No. EINECS-No. Symbol(s) R-phrase(s) Components with a commun	: 75980-60-8 : 278-355-8 : Xn : R62, R52/53	1,0 - 5,0			
 blue organic pigment 					
Carbon Black (carbon)					
3.3 Remark:					
Full text of each relevant R ar	nd H phrase is listed in section 16.				
4. FIRST AID MEASURES					
4.1 Description of first aid me	easures:				
Eye contact	: Rinse thoroughly with plenty of water fo	r at least 15 minutes			
Skin contact	and consult a physician. : Take off all contaminated clothing imme				
Ingestion	plenty of water. Call a physician immedi : Let drink 1 glass of water if victim is con				
Inhalation	 vomiting. Call a physician immediately. Take person to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately. 				
4.2 Most important symptoms	s and effects:				
Symptoms	: Repeated contact may cause allergic re susceptible persons. In normal condition effects are expected.				
4.3 Indication of immediate m	nedical attention and special treatment nee	eded:			
General advice	: Call a physician immediately.				
5. FIRE-FIGHTING MEASURES					
5.1 Extinguishing media					
Suitable extinguishing media	: Dry extinguishing powder., Water spray.	, Carbon dioxide			
Extinguishing media which must not be used for safety reasons	(CO2)., Foam.Do not use a solid water stream as it ma fire.	ay scatter and spread			
5.2 Special hazards arising fr	om the substance or mixture:				
Specific hazards during fire fighting Further information	 Toxic and irritating gases/fumes may be burning or thermal decomposition. At a fire in the surrounding area, cool do 				
BE	4/18	EN			



SUBID : 000001012272

Revision Date 00.00.0000 water or if possible withdraw them from the fire. 5.3 Advice for fire-fighters: Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. ACCIDENTAL RELEASE MEASURES 6.1 Personal precautions, protective equipment and emergency procedures: Personal precautions : Cleanup personnel must use appropriate personal protective equipment. Additional advice : Keep away from heat or open flame. Take measures to previte build up of electrostatic charge. 6.2 Environmental precautions: : Prevent release into the drain, soil or surface water. 6.3 Methods and material for containment and cleaning up: If spill occurs, apply a suitable absorbent material and collec into an impervious waste container. Wash away residues with plenty of water. 6.4 Reference to other sections: For waste disposal see section 13. For personal protection see section 8. HANDLING AND STORAGE : When using do not eat or drink.Avoid ingestion, inhalation, s and eye contact. Advice on protection against: : Won aude of open flame. Use fire-proof electrical material.Al parts of the installation should be earthed carefully. 7.2 Conditions for safe storage: : No naked lights. No smoking.Keep in a well-ventilated		SUBID : 0000010122
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Advice on protection against fire and explosion : Avoid heat or open flame.Use fire-proof electrical material.Al parts of the installation should be earthed carefully. 7.2 Conditions for safe storage : No naked lights. No smoking.Keep in a well-ventilated	Hygiene measures	: When using do not eat or drink. Avoid ingestion, inhalation, skin and eve contact
Requirements for storage : No naked lights. No smoking.Keep in a well-ventilated		: Avoid heat or open flame. Use fire-proof electrical material. All
	7.2 Conditions for safe storage	e:
closed.Do not collect the product in an iron vessel.Take precautionary measures against static discharges.	Requirements for storage areas and containers	place.Protect from direct sunlight.Keep container tightly closed.Do not collect the product in an iron vessel.Take
Further information on storage : Keep container in a well-ventilated place.		
Advice on common storage : Store away from strong oxidizing agents.Store away from acids.Store away from alkali.		· Store away from strong oxidizing agents Store away from



SUBID : 000001012272 Print Date 05.09.2011

Version

Revision Date 00.00.0000

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

8.1.1 Components with occupational exposure limits rsp. biological occupational exposure limits requiring monitoring:

8.1.1.1 Occupational exposure limits:

Air limit values

• Carbon Black (carbon)

CAS-No.: 1333-86-4

Basis	Revision Date	Value Type	
OEL (BE)	06 2009	3,5 mg/m3 TWA	

Biological limit values

We are not aware of any national exposure limit.

8.1.1.2 Additional exposure limits under the conditions of use:

No other exposure limits applicable.

8.1.1.3 DNEL/DMEL and PNEC-values:

DNEL

No Chemical Safety Report performed. No DNEL/DMEL value determined.

PNEC

No Chemical Safety Report performed. No PNEC value determined.

8.2 Exposure controls:

Occupational exposure controls:

> Instructual measures to prevent exposure:

Employees should wash their hands and face before eating, drinking, or using tobacco products. Keep away from foodstuffs, drinks and tobacco.

> Technical measures to prevent exposure:

Ensure adequate ventilation.

Personal measures to prevent exposure:

Respiratory protection Hand protection	 Breathing equipment A-filter. Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials: butylrubber (thickness >= 0.70 mm, breakthrough time > 480 min).(EN 374). The use of protective gloves should conform to the specifications of EC directive 89/686/EC and the resultant standard EN374, for example KCL 898 Butoject (full contact), KCL 890 Vito Ject (splash contact). Additional advice: The data are based on own tests, literature data and information of glove manufacturers or derived from similar substances. Because several factors may influence these properties(eg temperature), one should take into account
	these properties (eg temperature), one should take into account



SUBID : 000001012272

Print Date 05.09.2011

Version

Revision Date 00.00.0000

Eye protection Body Protection Personal protective equipment	considerably sho high diversity of manufacturer. : Safety glasses. : Safety clothes.	life of a chemical gloves in practice may be orter than indicated by the permeation test. The types of use are prescribed by the precautions when handling chemicals.	
Environmental exposure of	controls:		
	ment/contents may vary f	censed waste contractor. Effluent from one area to another. Please consult the rial.	
EU Directive		Status]
European Directive 2000/60/EC (water)		not on list	
European Directive 1996/62	/EC (air)	not on list	
			-
9. PHYSICAL AND CHEMICA	L PROPERTIES		
9.1 Basic physical and che	emical properties:		

9.1.1 Appearance:

9.1.2 Important health, safety and environmental information:

pH Melting point/range Boiling point/range Flash point Autoignition temperature Vapour pressure Relative vapour density Relative density Solubility/qualitative Water solubility Viscosity, kinematic Lower explosion limit Upper explosion limit Evaporation rate Flammability (solid, gas)	 Not applicable No data available
9.2 Other information:	
Solubility Ignition temperature	: No data available : no data available



SUBID : 000001012272

Version Revision Date 00.00.0000				Print Date 05.09.2011
10. STABILITY AND REACTIVIT	ſY			
10.1 Reactivity:				
Reactivity		tivity is not to be erature and pres	expected under norma sure	al conditions of
10.2 Chemical stability:				
Stability		eratures above 4	rgo hazardous polymer l0℃ or in the presence	
10.3 Possibility of hazardou	s reactions	5:		
Hazardous reactions			ation may occur if conta nt, iron, peroxide or acid	
10.4 Conditions to avoid:				
Conditions to avoid	: Heat,	flames and spa	rks.	
10.5 Materials to avoid:				
Materials to avoid	: Stron	ig oxidants, pero	xides, acids and iron.	
10.6 Hazardous decomposit	ion produc	sts:		
Hazardous decomposition productsToxic and irritating gases/fumes may be given off during burning or thermal decomposition.				
11.1 Information on toxicolo	-			
Toxicokinetics, metabolism		oution:		
 2-(2-Vinyloxyethoxy) ethy No data available 	l acrylate			
 Acrylate No data available 				
Phosphine oxide, dipheny No data available	/l(2,4,6-trim	ethylbenzoyl)-		
Acute effects (toxicity tests)):			
> Acute Toxicity				
• 2-(2-Vinyloxyethoxy) ethy	l acrylate			
Acute oral toxicity	Effect dose LD50		Value 1.790 mg/kg	Method OECD Test
	LD50	rat rat	2.026 mg/kg	Guideline 401 OECD Test
				Guideline 401
Acute oral toxicity	LD50	rat	300 to 2.000	
			mg/kg	



SUBID : 000001012272

			3	OBID . 000001012272
Version				Print Date 05.09.2011
Revision Date 00.00.0000				
Aguto dormal tovicity		rot		
Acute dermal toxicity	LD50	rat	> 2.000 mg/kg	OECD Test Guideline 402
Acute inhalation toxicity	LC50	rat	5,82 mg/l/ 4 h	
Acute initialation toxicity	2030	Tat	5,02 mg/i/ 4 m	Guideline 403
Acrylate	•			
	Effect dose		Value	Method
Acute oral toxicity	LD50	rat	4.600 mg/kg	
Acute dermal toxicity	LD50	rabbit	> 2.000 mg/kg	
Acute inhalation toxicity	No data ava	ailabla		
	NO UAIA AVA	allable		
Phosphine oxide, dipher	nyl(2,4,6-trime	ethylbenzoyl)-		
	Effect dose	Species	Value	Method
Acute oral toxicity	LD50	rat	> 2.000 mg/kg	
Acute dermal toxicity				
	No data ava	ailable		
Acute inhalation toxicity		, lable		
	No data ava	ailable		
Specific target organ to	xicity (STOT	·):		
2-(2-Vinyloxyethoxy) eth	iyi acrylate		Affected	
Specific effects			Affected	organs
No data available				
Acrylate				
Specific effects			Affected	organs
No data available				
Phosphine oxide, dipher	nvl(2 4 6-trim	ethylbenzoyl)-		
Specific effects	<u>191(2, 1,0 till)</u>	011/1001120/1/	Affected	ordans
			71100104	organo
No data available				
Irritant and corrosive ef	fects:			
 2-(2-Vinyloxyethoxy) eth 	yl acrylate			
	Exposure	Species	Evaluation	Method
	time	-		
Primary irritation to the skin		rabbit	Moderate skin	OECD Test
			irritation	Guideline 404
Irritation to eyes		rabbit	No eye irritation	OECD Test
				Guideline 405
Acrylate				
	Exposure	Species	Evaluation	Method
	time	0,000	_ / (((((((((((((((((((((((((((((((((((
Primary irritation to the skin				
	No data available			
Irritation to eyes				
	No data ava	ailable		
Dhoonhine evide dist.				
Phosphine oxide, dipher	Exposure	ethylbenzoyl)- Species	Evaluation	Method
				N//OTDOO



SUBID : 000001012272

Version

Revision Date 00.00.0000

Print Date 05.09.2011

	time		
Primary irritation to the skin	rabbit	No skin irritation	Literature.
	Based on available data	, the classification crite	ria are not met.
Irritation to eyes	rabbit	No eye irritation	Literature.
	Based on available data	, the classification crite	ria are not met.

> Irritation to the respiratory tract:

- 2-(2-Vinyloxyethoxy) ethyl acrylate
- No data available
- Acrylate
- No data available
- Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

No data available

> Sensitisation:

• 2-(2-Vinyloxyethoxy) ethyl acrylate

Species	Evaluation	Method
mouse	May cause sensitisation by skin contact.	Mouse local lymphoma assay.

 Acrylate 		
Species	Evaluation	Method
	No data available	
Phosphine oxide	e diphenyl(246-trimethylbenzoyl)-	

 Phosphine oxi 	ide, dipnenyi(2,4,6-trimethyibenzoyi)·	•
Species	Evaluation	Method
	No data available	

> Aspiration hazard:

- 2-(2-Vinyloxyethoxy) ethyl acrylate
- No data available
- Acrylate
- No data available
- Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

No data available

Sub-acute, sub-chronic and chronic toxicity

- Repeated dose toxicity:
- 2-(2-Vinyloxyethoxy) ethyl acrylate

	Effect dose	Value	Exposure time	Species
Sub-acute oral	NOEL	160 mg/kg	28-day	rat
	Method: OECD	Test Guideline 407		

Acrylate

No data available

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-



SUBID : 000001012272 Print Date 05.09.2011

Version

Revision Date 00.00.0000

No data available

> Specific target organ toxicity (STOT):

• 2-(2-Vinyloxyethoxy) ethyl acrylate

	i yr aor yraco	
Repeated exposure	Specific effects	Affected organs
Sub-acute oral		
	Meets the criteria of 3.9.2	of CLP-Regulation (EC) No.1272/2008.

Acrylate

No information available.

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

No information available.

> CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):

- Carcinogenicity

- 2-(2-Vinyloxyethoxy) ethyl acrylate
- No tumors were reported in mice following long-term dermal application.
- Acrylate
- No data available
 - Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

No data available

- Mutagenicity

• 2-(2-Vinyloxyethoxy) ethyl acrylate

There is no evidence for mutagenicity from studies in animals.

• Acrylate

No data available

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

No data available

- Genetic toxicity in vitro

Туре	Test system	Concentration	Result
Ames test	Escherichia coli WP2 uvr A;		negative
	Salmonella typhimurium		-
	TA98, TA100, TA535,		
	TA1537		
	Method: Mutagenicity (Escher	richia coli - reverse	mutation assay)
Chromosome aberration test in vitro	Chinese hamster lung cells		negative
	Method: Mutagenicity (in vitro	mammalian cytoge	enetic test)

• 2-(2-Vinyloxyethoxy) ethyl acrylate

Acrylate

No data available

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

No data available

- Genetic toxicity in vivo



SUBID : 000001012272

Version

Revision Date 00.00.0000

Print Date 05.09.2011

• 2-(2-Vinyloxyethoxy) ethyl acrylate

No data available

Acrylate

No data available

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

Route of exposure	Species	Exposure time	Result
Oral	rat (males)		
	Method: Literature.		
	Based on available data, the	classification criteria	are not met.

- Teratogenicity

• 2-(2-Vinyloxyethoxy) ethyl acrylate

Route of exposure	Species	Exposure time
Oral	rat	28-day
	Method: Directive 92/32/EEC, Annex V	/, B.31.

Acrylate

No data available

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

No data available

- Toxicity to reproduction

• 2-(2-Vinyloxyethoxy) ethyl acrylate

Route of exposure	Species	Exposure time
Oral	rat	
	Method: OECD-Guideline No.422	

Acrylate

No data available

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

Route of exposure	Species	Exposure time
Oral	rat (male)	
	Reproductive effects h	ave been observed in animal studies.

> Summarised evaluation of the CMR properties:

• 2-(2-Vinyloxyethoxy) ethyl acrylate

Carcinogenicity	: Did not show carcinogenic effects in animal experiments.
Mutagenicity	: Tests on bacterial or mammalian cell cultures did not show
	mutagenic effects.Not mutagenic in AMES Test.
Teratogenicity	: Animal testing did not show any effects on foetal development.
Toxicity to reproduction	: Animal testing did not show any effects on fertility.

Experiences made in practice:

• 2-(2-Vinyloxyethoxy) ethyl acrylate

May be harmful by inhalation, ingestion, skin adsorption.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:



SUBID : 000001012272

Version

Revision Date 00.00.0000

Print Date 05.09.2011

	Effect	Exposure	Species	Value
	dose	time		
Toxicity to fish	LC50	96 h	Brachidanio rerio (zebra fish)	6,8 mg/l
	Method:	OECD Test	Guideline 203	
Toxicity to fish	NOEC	96 h	Brachidanio rerio (zebra fish)	2,2 mg/l
	Method:	OECD Test	Guideline 203	
Toxicity to fish	LC100	96 h	Brachidanio rerio (zebra fish)	10 mg/l
	Method:	OECD Test	Guideline 203	
Toxicity to daphnia	EC50	48 h	Daphnia magna	55 mg/l
	Method:	OECD Test	Guideline 202	
Toxicity to daphnia	EC100	48 h	Daphnia magna	100 mg/l
	Method:	OECD Test	Guideline 202	
Toxicity to daphnia	NOEC	48 h	Daphnia magna	25 mg/l
	Method:	OECD Test	Guideline 202	
Toxicity to algae	EC50	72 h	Scenedesmus subspicatus	5 mg/l
			(algae)	
	Method:	OECD Test	Guideline 201	
Toxicity to algae	NOEC	72 h	scenedesmus subspicatus	0,78 mg/l
	Method:	OECD Test	Guideline 201	
Toxicity to algae	LOEC	72 h	scenedesmus subspicatus	2,7 mg/l
	Method:	OECD Test	Guideline 201	-
Toxicity to bacteria	IC50	3 h		741 mg/l
•	Method:	OECD-Guid	leline No.209; 88/302/EEC C.11	0

Acrylate

• / tor yrate				
	Effect	Exposure	Species	Value
	dose	time		
Toxicity to fish	LC50	96 h	Leuciscus idus (golden orfe)	> 2,1 mg/l
Toxicity to daphnia	EC50	48 h	Daphnia magna (water flea)	22 mg/l
Toxicity to algae	EC50	72 h	Scenedesmus subspicatus (algae)	16,7 mg/l
Toxicity to bacteria				
,	No data	available		

 Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)- 				
	Effect	Exposure	Species	Value
	dose	time		
Toxicity to fish	LC50	96 h	Leuciscus idus (golden orfe)	< 100,00 mg/l
Toxicity to daphnia	EC0	48 h	Daphnia magna (water flea)	< 100,00 mg/l
Toxicity to algae	EC50	72 h	Algae	< 100 mg/l
Toxicity to bacteria	EC50	17 h	Bacteria	> 500,00 mg/l

12.2 Persistence and degradability:

Physico-chemical removability

• 2-(2-Vinyloxyethoxy) ethyl acrylate

The product can be degraded by abiotic (e.g. chemical or photolytic) processes.

- Acrylate
- No data available
- Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-
- No data available

Chemical Oxygen Demand (COD)



SUBID : 000001012272

Version

Revision Date 00.00.0000

Print Date 05.09.2011

- 2-(2-Vinyloxyethoxy) ethyl acrylate
- No data available
- Acrylate
- No data available
- Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-No data available

Adsorbed organic bound halogens (AOX)

• 2-(2-Vinyloxyethoxy) ethyl acrylate

Product does not contain any organic halogens.

- Acrylate
- Product does not contain any organic halogens.
- Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-
- No data available

Biodegradation

• 2-(2-Vinyloxyethoxy) ethyl acrylate

Value	Exposure time	Method	Evaluation
		OECD-Guideline No.301C	Readily biodegradable.

- Acrylate
- No data available
- Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-
- No data available

Biochemical Oxygen Demand (BOD)

• 2-(2-Vinyloxyethoxy) ethyl acrylate

Concentration	Incubation time	Value	Method	
		82,1 mg/g	OECD-Guideline No.301C	

Acrylate

- No data available
- Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-
- No data available

12.3 Bioaccumulative potential:

Partition coefficient (n-octanol/water)

• 2-(2-Vinyloxyethoxy) ethyl acrylate

Value	рН	C	Method
log Pow: 1,7			Tested according to Directive 92/69/EEC.

Acrylate

No data available

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

No data available



SUBID : 000001012272

Version

Revision Date 00.00.0000

Print Date 05.09.2011

Bioconcentration factor (BCF)

• 2-(2-Vinyloxyethoxy) ethyl acrylate Bioaccumulation is unlikely.

• Acrylate

No data available

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

No data available

12.4 Mobility in soil:

- 2-(2-Vinyloxyethoxy) ethyl acrylate This product will show high soil mobility and will be degraded through hydrolysis from the ambient atmosphere with a half-life of 1.8 hr (at pH=4), 200 hr (at pH=7) and 67 hr (at pH=9).
- Acrylate

No information available.

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-No information available.

Henry's constant

•	2-(2-Vinyloxyethoxy) ethyl acrylate
---	-------------------------------------

	Value	Temperature	Method
			No information available.
 Acrylate 			
	Value	Temperature	Method
			No information available.

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

		· · · · · · · · · · · · · · · · · · ·
Valu	ue Temperatu	ure Method
		No information available.

Transport between environmental compartments

• 2-(2-Vinyloxyethoxy) ethyl acrylate

Туре	Medium	Value	Method
		Koc: 15	OECD-Guideline No.121,
			2001/59/EEC C.19
		Transport between expected.	environmental compartments can be

Acrylate

No data available

• Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-

No data available

12.5 Results of PBT and vPvB assessment:

• 2-(2-Vinyloxyethoxy) ethyl acrylate

This product does not meet the criteria concerning PBT or vPvB substances as described in Annex XIII of the REACH regulation (1907/2006 EC)



SUBID : 000001012272

Version

Revision Date 00.00.0000

Print Date 05.09.2011

- Acrylate
- No data available
- Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-No data available

12.6 Other adverse effects:

• 2-(2-Vinyloxyethoxy) ethyl acrylate

When properly applied, negative effects on the functionality of waste treatment plants are not expected. Avoid infiltration in to drinking supplies, waste water or soil.

• Acrylate

- No information available.
- Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-
- No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Waste disposal methods

Do not release into drain. Collect for removal by a licensed waste contractor. Effluent regulations/discharge/treatment/contents may vary from one area to another. Please consult the local regulations regarding the disposal of this material.

Empty containers.

Uncontrolled disposal or recycling of this packaging is not permitted and can be dangerous.

For waste resulting from this product, it is recommended to use European Waste Code : 08 03 13 (waste ink other than those mentioned in 08 03 12).

14. TRANSPORT INFORMATION

Not regulated according to ADR. Not regulated according to ADNR. Not regulated according to RID. Not regulated according to IMO/IMDG. Not regulated according to ICAO/IATA aircraft only. Not regulated according to ICAO/IATA passenger and cargo aircraft.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Authorisation and/or restriction on use

Authorisation	: No
Restriction on use	 Not listed on EU. REACH, Annex XVII, Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixtures & articles (Reg 1907/2006/EC,
	as amended



SUBID : 000001012272 Print Date 05.09.2011

Version

Revision Date 00.00.0000

Other EU regulations

Does not fall under specific EU-Regulations.

15.2 Chemical Safety Assessment

No Chemical Safety Report needed according REACH.

16. OTHER INFORMATION

Text of H-phrases referred to under headings 2 and 3:

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Text of R-phrases referred to under headings 2 and 3:

R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R43	May cause sensitization by skin contact.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.

Further information

The information disclosed in this Safety Data Sheet is believed to be correct to the best of our current knowledge and experience. It only relates to the specific product designated herein and it may not be valid when said product is used in combination with any other material or in any process, unless specified in the text. This document aims to provide the necessary health and safety information of the product and is not to be considered a warranty or quality specification. It is the responsibility of the user to comply with local legislation relating to safety, health, environment and waste management.

Sources of key data used to compile the datasheet

Handbuch der gefährlichen Güter, Hommel. The Dictionary of Substances and their Effects, Royal Society of Chemistry. Gefährliche Chemische Reaktionen, L.Roth und U.Weller. Handbuch der Umweltgifte, Dauderer. Chemiekaarten, latest version. Safety Data Sheet from the supplier.

Abbreviations

ADR:	Accord européen relatif au transport international des marchandises
	Dangereuses par Route
ADNR:	Accord européen relatif au transport international des marchandises



SUBID : 000001012272

Print Date 05.09.2011

Version

Revision Date 00.00.0000

	Dangereuses par la Rhin
AGW:	Arbeitsplatzgrenswerte (GE)
ATEmix:	Acute toxicity estimate of the mixture
CLP:	Classification, Labelling and Packaging of substances and mixtures
CMR:	Carcinoge
DNEL:	Derived No Effect Level
EC0:	Effective Concentration 0%
EC5:	Effective Concentration 5%
EC10:	Effective Concentration 10%
EC50:	Median Effective Concentration
EC100:	Effective Concentration 100%
EH40 WEL:	Workplace Exposure Limit (UK)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IC50:	inhibitory concentration 50%
IMDG:	International Maritime Dangerous Goods
IMO:	International Maritime Organization
IUCLID:	International Uniform ChemicaL Information Database
LC50:	Lethal Concentration 50%
LC100:	Lethal Concentration 100%
LOAEL:	Lowest Observed Adverse Effect Level
LDL0	Lethal Dose (minimum found to be lethal)
LD50:	Lethal Dose 50%
MAC:	Maximaal Aanvaardbare Concentratie (NL)
MAK:	Maximale Arbeitsplatz-Konzentration
NOAEL:	No Observed Adverse Effect Level
NOEL:	No Observed Effect Level
NOEC:	No Observed Effect Concentration
OEL:	Occupatianal Exposure Limit
PBT:	Persistent, Bioaccumulative and Toxic substance
PNEC:	Predicted No Effect Concentration
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID:	Regulations concerning the International Transport of Dangerous Goods by
	Rail
STEL:	Short Term Exposure Limit
TLV:	Treshold Limit Value
TRGS900:	Arbeitsplatzgrenswerte (GE)
TWA:	Time Weighted Average
VOC:	Volatile Organic Compound
vPvB:	very Persistent and very Bioaccumulative substance