

Safety Data Sheet acc. to OSHA HCS

Printing date 09/14/2022

Version number 2

Reviewed on 06/29/2022

1 Identification

- · Product identifier
 - · Product number WUM5A06C
 - Trade name: S/S WB UV WHITE 65 GL • Application of the substance / the mixture For professional use

· Details of the supplier of the safety data sheet

- Manufacturer/Supplier: IVM Chemicals Srl
 Viale della Stazione 3 -27020 Parona (PV)Italy -Tel +39 038425441
- Information department: Environmental Health and safety office hseoffice @ivmchemicals.com
- Emergency telephone number:
- ChemTel Expert Assistance Hotline/SDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

2 Hazard(s) identification

· Classification of the substance or mixture

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

Carcinogenicity 2 Aquatic Acute 2

H351 Suspected of causing cancer. H401 Toxic to aquatic life.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms



· Signal word Warning

 Hazard-determining components of labeling: 2.2-bis(acryloyloxymethyl)butyl acrylate

2,2-Dis(acryloyloxymethyl)butyl acrylat

2-methyl-2H-isothiazol-3-one

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

- Hazard statements
- H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H401 Toxic to aquatic life.

- H411 Toxic to aquatic life with long lasting effects.
- · Precautionary statements
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P363 Wash contaminated clothing before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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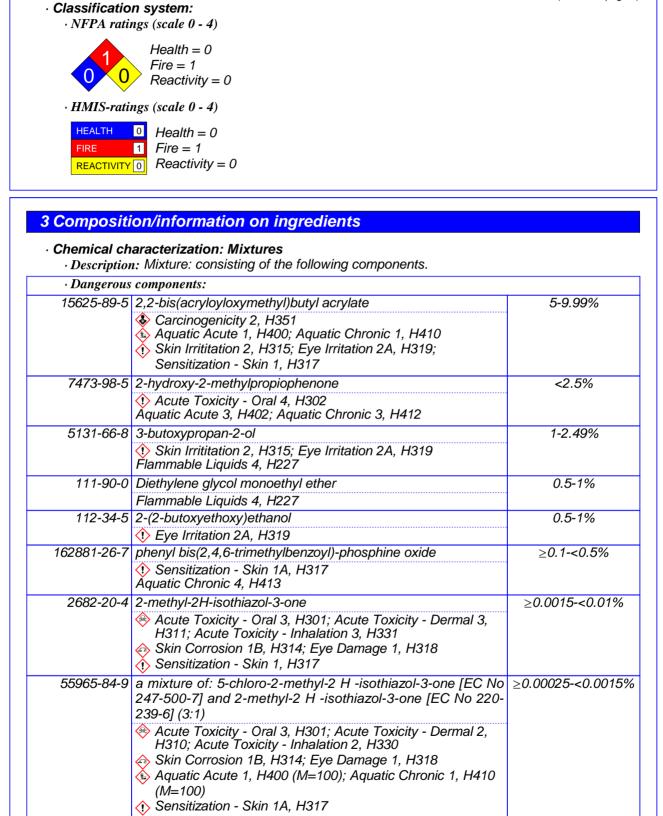
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4 First-aid measures

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· Description of first aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

personal protective equipment for first aid responders is recommended. (please see section 8) · *After inhalation:*

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: Do not induce vomiting; immediately call for medical help.
- · Information for doctor:
 - Most important symptoms and effects, both acute and delayed Allergic reactions
 - For symptoms and effects caused by substances, refer to Section 11.
 - · Indication of any immediate medical attention and special treatment needed
 - No further relevant information available.

5 Fire-fighting measures

· Extinguishing media

- · Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents:
- Do not use a jet water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture

In case of fire, the following can be released: Nitrogen oxides (NOx) Carbon monoxide (CO)

Advice for firefighters

Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health and also, in the case of closed containers exposed to flames to prevent explosions.

· Protective equipment:

Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.

6 Accidental release measures

 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation Keep away from ignition sources
 Environmental precautions: Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

• **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to Section 13.

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	quate ventilation.	(Contd. of page 3)
See Sectior See Sectior See Sectior	to other sections 7 for information on safe handling. 8 for information on personal protection equipment. 1 13 for disposal information. Action Criteria for Chemicals	
· PAC-1:		
13463-67-7	Titanium dioxide C.I. 77891 Pigment white 6	30 mg/m ³
111-90-0	Diethylene glycol monoethyl ether	75 ppm
112-34-5	2-(2-butoxyethoxy)ethanol	30 ppm
68439-49-6	c16-18 alcohols ethoxylated	3.8 mg/m ³
25322-69-4	Propane-1,2-diol, propoxylated	30 mg/m ³
· PAC-2:		
13463-67-7	Titanium dioxide C.I. 77891 Pigment white 6	330 mg/m ³
111-90-0	Diethylene glycol monoethyl ether	100 ppm
112-34-5	2-(2-butoxyethoxy)ethanol	33 ppm
68439-49-6	c16-18 alcohols ethoxylated	42 mg/m ³
25322-69-4	Propane-1,2-diol, propoxylated	330 mg/m ³
· PAC-3:		
13463-67-7	Titanium dioxide C.I. 77891 Pigment white 6	2,000 mg/m ³
111-90-0	Diethylene glycol monoethyl ether	450 ppm
112-34-5	2-(2-butoxyethoxy)ethanol	200 ppm
68439-49-6	c16-18 alcohols ethoxylated	250 mg/m³
25322-69-4	Propane-1,2-diol, propoxylated	2,000 mg/m ³

7 Handling and storage

· Handling:

- · Precautions for safe handling
- Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.
- Prevent formation of aerosols.
- Keep respiratory protective device available.
- Information about protection against explosions and fires: Keep respiratory protective device available.

\cdot Conditions for safe storage, including any incompatibilities

- · Storage:
 - Requirements to be met by storerooms and receptacles:
 - Observe the label precautions, the expiration date for the use, if not indicated, is from delivery date of goods.
 - In cases where there is no reported expiration date , it means that the product must be used within 8 months.
 - Take on temperature greater than 5 ° C
 - · Information about storage in one common storage facility: Not required.
 - · Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) Those typical of the product and the instructions in the data sheet if required.

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8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters

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- · Components with limit values that require monitoring at the workplace:
- The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
- At this time, the other constituents have no known exposure limits.

15625-89-5 2,2-bis(acryloyloxymethyl)butyl acrylate

WEEL Long-term value: 1 mg/m³

Skin

111-90-0 Diethylene glycol monoethyl ether

WEEL Long-term value: 25 ppm

112-34-5 2-(2-butoxyethoxy)ethanol

Long-term value: 10* ppm

*Inhalable fraction and vapor

• Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

TLV

· Personal protective equipment:

- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately.
- · Breathing equipment:

Short term filter device:



Suitable respiratory protective device recommended.

Filter A • Protection of hands:



Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The glove material has to be impermeable and resistant to the product .

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection: Goggles recommended during refilling.

Information on basic physical and o	chemical properties	
· General Information		
· Appearance:		
· Form: · Color:	Fluid	
· Color: · Odor:	According to product specification Characteristic	
· Odor: · Odor threshold:	Not determined.	
· pH-value:	Mixture is non-polar/aprotic. Range: 7 - 9	
· Change in condition		
 Melting point/Melting range: 	Undetermined.	
 Boiling point/Boiling range: 	100 °C (212 °F)	
· Flash point:	100 °C (212 °F)	
· Flammability (solid, gaseous):	Not applicable.	
· Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits:		
· Lower:	1.1 Vol %	
· Upper:	8.4 Vol %	
· Vapor pressure at 20 °C (68 °F):	1.3 hPa (1 mm Hg)	
• Density (+/- 0,03) at 20 °C (68 °F):	1.137 g/cm³ (9.488 lbs/gal)	
· Relative density	Not determined.	
· Vapor density	Not determined.	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
· Water:	Fully miscible.	
· Partition coefficient (n-octanol/water): Not determined.	
· Viscosity:		
· Dynamic:	Not determined.	
• <i>Kinematic at 20</i> • <i>C</i> (68 • <i>F</i>):	60 s (ISO 6 mm)	
· Oxidising properties:	N.A.	
· Solvent content:		
· Water:	51.8 %	
· VOC content:	3.19 %	
	36.3 g/l / 0.30 lb/gal	
· Solids content:	44.9 %	
Other information (HAPS)		
111-90-0 Diethylene glycol monoethyl	lether	0.5-19
112-34-5 2-(2-butoxyethoxy)ethanol		0.5-1%

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<0.1%

<0.01%



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121-44-8 triethylamine

110-80-5 2-ethoxyethanol

• Other information

No further relevant information available.

10 Stability and reactivity

- · Reactivity typical of the product as indicated in the data sheet
- **Chemical stability** The product is stable in normal conditions of storage and use recommended • Thermal decomposition / conditions to be avoided:
 - No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: Acids, alkalis and oxidizing agents
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

• Acute toxicity:

· Acute to	•	
		es that are relevant for classification:
•		y Estimate)
Oral	LD50	106,207 mg/kg (mouse)
15625-89-	•5 2,2-bis(a	acryloyloxymethyl)butyl acrylate
Oral	LD50	5,001 mg/kg (mouse)
Dermal	LD50	5,001 mg/kg (mouse)
7473-98-5	2-hydrox	y-2-methylpropiophenone
Oral	LD50	1,694 mg/kg (mouse)
Dermal	LD50	6,929 mg/kg (mouse)
5131-66-8	3-butoxy	propan-2-ol
Oral	LD50	3,300 mg/kg (mouse)
Dermal	LD50	8,001 mg/kg (mouse)
111-90-0	Diethylene	e glycol monoethyl ether
Oral	LD50	6,031 mg/kg (mouse)
Dermal	LD50	9,143 mg/kg (rabbit)
112-34-5	2-(2-butox	yethoxy)ethanol
Oral	LD50	6,600 mg/kg (mouse)
Dermal	LD50	2,764 mg/kg (rabbit)
162881-20	6-7 pheny	bis(2,4,6-trimethylbenzoyl)-phosphine oxide
Oral	LD50	2,001 mg/kg (mouse)
Dermal	LD50	2,001 mg/kg (mouse)
2682-20-4	2-methyl	-2H-isothiazol-3-one
Oral	LD50	200 mg/kg (mouse)
Dermal	LD50	400 mg/kg (mouse)
Inhalative	LC50/4 h	0.53 mg/l (mouse)
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· Primary irritant effect:	
• on the skin: No irritant effect.	
• on the eye: No irritating effect.	
 Sensitization: Sensitization possible through skin contact. 	
· Additional toxicological information:	
Irritant	
May cause an allergic skin reaction.	
Suspected of causing cancer.	
Warning! Hazardous respirable droplets may be formed when spraye mist.	ed. Do not breathe spray o
· Carcinogenic categories	
Titanium dioxide IARC's Monograph No. 93 reports there is sufficient evider experimental rats exposed to titanium dioxide but inadequate evid humans and has assigned a Group 2B rating. In addition, the IARC significant exposure to titanium dioxide is thought to occur dur which titanium is bound to other materials, such as paint."	dence for carcinogenicity i C summary concludes, "N
Titanium dioxide IARC's Monograph No. 93 reports there is sufficient evider experimental rats exposed to titanium dioxide but inadequate evid humans and has assigned a Group 2B rating. In addition, the IAR significant exposure to titanium dioxide is thought to occur dur	dence for carcinogenicity i C summary concludes, "N ing the use of products i
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Titanium dioxide IARC's Monograph No. 93 reports there is sufficient evider experimental rats exposed to titanium dioxide but inadequate evid humans and has assigned a Group 2B rating. In addition, the IARC significant exposure to titanium dioxide is thought to occur dur which titanium is bound to other materials, such as paint." • IARC (International Agency for Research on Cancer - Cl. 1 and 2) 13463-67-7 Titanium dioxide C.I. 77891 Pigment white 6 15625-89-5 2,2-bis(acryloyloxymethyl)butyl acrylate	dence for carcinogenicity i C summary concludes, "N ing the use of products i 2B - DUST
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12 Ecological information

 \cdot **Toxicity** Toxic to aquatic life with long lasting effects.

· Aquatic toxicity:		
15625-89-5	2,2-bis(acryloyloxymethyl)butyl acrylate	
EC50	4.9 mg/l (algae) (72 h)	
	19.9 mg/l (daphnia) (48 h)	
LC50 (96h)	2.1 mg/l (Fish)	
7473-98-5 2	-hydroxy-2-methylpropiophenone	
EC50	119 mg/l (daphnia) (48h)	
LC50 (96h)	160 mg/l (Fish)	
5131-66-8 3	butoxypropan-2-ol	
EC50	1,001 mg/l (algae) (96 h)	
	1,001 mg/l (daphnia) (48 h)	
LC50 (96h)	1,000 mg/l (Fish)	
111-90-0 Di	ethylene glycol monoethyl ether	
LC50 48h	1,982 mg/l (daphnia)	
LC50 (96h)	101 mg/l (Fish)	
112-34-5 2-	(2-butoxyethoxy)ethanol	
EC50	1,001 mg/l (daphnia) (48 h)	
LC50 (96h)	1,300 mg/l (Leuciscus idus melanotus)	
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162881-26-	7 phenyl bis(2,4,6-trimethylbenzoyl)-ph	Contd. of page Contd. of page
EC50	1,175 mg/l (daphnia) 48h	
55965-84-9	a mixture of: 5-chloro-2-methyl-2 H -i methyl-2 H -isothiazol-3-one [EC No 22	sothiazol-3-one [EC No 247-500-7] and 2 20-239-6] (3:1)
EC50	0.027 mg/l (algae) (72 h)	
	0.16 mg/l (daphnia) (48 h)	
LC50 (96h)	0.19 mg/l (Fish)	
Persistence	e and degradability No further relevant in	nformation available.
· Substanc	es Easily biodegradable	
15625-89-5	2,2-bis(acryloyloxymethyl)butyl acrylate	
5131-66-8	3-butoxypropan-2-ol	
111-90-0	Diethylene glycol monoethyl ether	
112-34-5	2-(2-butoxyethoxy)ethanol	
Ecotoxical Remark: Additional General i Water ha Do not a sewage Also pois Toxic for	Toxic for fish ecological information: notes: azard class 1 (Self-assessment): slightly h nllow undiluted product or large quantities	azardous for water s of it to reach ground water, water course es.
Disposal	considerations	
· Recomm		old garbage. Do not allow product to read

sewage system.

Hand over to hazardous waste disposers.

Dispose of contents and container in accordance with local state and federal regulations.

· Uncleaned packagings:

- Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

· UN-Number

 \cdot DOT, IMDG, IATA

UN3082

· Note

Check viscosity and flash point at section 9

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• UN proper shipping name • DOT	Environmentally hazardous substance, liquinn.o.s. (2,2-bis(acryloyloxymethyl)butyl acrylate)
· IMDG	ENVIRONMENTALLY HAZARDOU SUBSTANCE, LIQUID, N.O.S. (2, bis(acryloyloxymethyl)butyl acrylate), MARIN POLLUTANT
· IATA	ENVIRONMENTALLY HAZARDOL SUBSTANCE, LIQUID, N.O.S. (2, bis(acryloyloxymethyl)butyl acrylate)
· Transport hazard class(es)	
· DOT, IMDG, IATA	
· Class	9 Miscellaneous dangerous substances a articles 9
· Label · Class	9 9 Miscellaneous dangerous substances a articles
· Label	9
· Packing group · DOT, IMDG, IATA	<i>III</i>
· Environmental hazards:	Product contains environmentally hazardo substances: 2,2-bis(acryloyloxymethyl)butyl acryla
• Marine pollutant: • Special marking (IATA):	Yes Symbol (fish and tree) Symbol (fish and tree)
· Special precautions for user	Warning: Miscellaneous dangerous substances a
• Hazard identification number (Kemler • EMS Number:	articles code): 90 F-A,S-F
· Stowage Category	A
 Transport in bulk according to Annex II MARPOL73/78 and the IBC Code 	of Not applicable.
· Transport/Additional information:	
·DOT	
· Remarks:	Special marking with the symbol (fish a tree).
·IMDG	
· Limited quantities (LQ)	5L Code: 51
• Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: ml
	Maximum net quantity per outer packagin 1000 ml
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOU
	SUBSTANCE, LIQUID, N.O.S. (2,2-



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BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE), 9, III

15 Regulatory information

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

Various regulations
 SARA

None of th	e ingredients is listed.		
. (Section 313 (Specific toxic chemical listings) :		
	Diethylene glycol monoethyl ether		0.5-1%
112-34-5	2-(2-butoxyethoxy)ethanol		0.5-1%
121-44-8	triethylamine		<0.1%
110-80-5	2-ethoxyethanol		<0.01
· TSC	A (Toxic Substances Control Act):		•
All compo	nents have the value ACTIVE.		
· 1	Hazardous Air Pollutants		
121-44-8	triethylamine		
· (position 65 Chemicals known to cause cancer: Titanium dioxide only in bound form		1
	7 Titanium dioxide C.I. 77891 Pigment white 6	only for Dust	
15625-89-	5 2,2-bis(acryloyloxymethyl)butyl acrylate	*	5-9.99%
	Chemicals known to cause reproductive toxicity for females:		
None of th	e ingredients is listed.		
· (Chemicals known to cause reproductive toxicity for males:		
110-80-5	2-ethoxyethanol		<0.01
· (Chemicals known to cause developmental toxicity:		
110-80-5	2-ethoxyethanol		<0.01
· Care	cinogenic categories		
· 1	EPA (Environmental Protection Agency)		
None of th	e ingredients is listed.		
·]	TLV (Threshold Limit Value)		
	7 Titanium dioxide C.I. 77891 Pigment white 6		A
121-44-	8 triethylamine		A
	NIOSH-Ca (National Institute for Occupational Safety and H	Health)	
13463-67-	7 Titanium dioxide C.I. 77891 Pigment white 6		10-12.49

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.



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· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: IVM Chemicals Srl
Contact: See emergency phone
· Date of preparation / last revision 09/14/2022 / 1
· Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flammable Liquids 4: Flammable liquids – Category 4
Acute Toxicity - Oral 3: Acute toxicity – Category 3
Acute Toxicity - Oral 4: Acute toxicity – Category 4
Acute Toxicity - Dermal 2: Acute toxicity – Category 2
Skin Corrosion 1B: Skin corrosion/irritation – Category 1B
Skin Irrititation 2: Skin corrosion/irritation – Category 2
Eye Damage 1: Serious eye damage/eye irritation – Category 1
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - Skin 1: Skin sensitisation – Category 1
Sensitization - Skin 1A: Skin sensitisation – Category 1A
Carcinogenicity 2: Carcinogenicity – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3 Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4
· Sources
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE
COUNCIL and following amendments
Agency ECHA web site
INRS Fiche Toxicologique

IARC International agency for research on cancer