Safety data sheet
as per regulation 1907/2006/EC (REACH) as amended and supplemented

Printing date 24.10.2019 Version number 267 Revision: 23.10.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**
· **Product code** CHT101
· **Trade name: Kromopastel conc. White**
· **1.2. Relevant identified uses of the substance or mixture and uses advised against**
A coating composition for water-based coating and / or decoration of wooden artefacts
· **Application of the substance / the mixture** For professional use

· **1.3 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

· **Further information obtainable from:**
Environmental Health and safety office
hseoffice@ivmchemicals.com

· **1.4 Emergency telephone number:**
From 8.30 to 17.30 0039 038 425 441
Out of the above mentioned hours, Saturdays and Sundays and during periods of closure for holidays please call: 0039 0384 254491

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:**
a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)
1,2-benzisothiazol-3(2H)-one
· **Hazard statements**
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

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· **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local.

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**
· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**		
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-XXXX	propan-2-ol Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	12.5-15%
CAS: 2634-33-5 EINECS: 220-120-9 Reg.nr.: 01-2120761540-60-XXXX	1,2-benzisothiazol-3(2H)-one Eye Dam. 1, H318 Aquatic Acute 1, H400; Aquatic Chronic 2, H411 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	<0.01%
CAS: 55965-84-9 Reg.nr.: 01-2120764691-48-XXXX	a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1) Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1) Skin Sens. 1A, H317	≥0.0015-<0.01%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:**
Immediately remove any clothing soiled by the product.
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:**
Remove contaminated clothing.
Immediately wash with water and soap, or a recognized skin cleanser, and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:** Do not induce vomiting; call for medical help immediately.
· **4.2 Most important symptoms and effects, both acute and delayed**
For symptoms and effects caused by substances, see chap. 11th
No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:** Alcohol resistant foam, CO, powder, water spray/mist.
· **For safety reasons unsuitable extinguishing agents:**
Do not use a jet water stream as it may scatter and spread fire.
· **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
No further relevant information available.
· **5.3 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 mouth respiratory protective device.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **6.3 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 item 13.
Ensure adequate ventilation.

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· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Protect against electrostatic charges.
Use explosion-proof apparatus / fittings and spark-proof tools.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Provide solvent resistant, sealed floor.
Observe the label precautions, the expiration date for the use, if indicated, is from delivery date.
In cases there is no reported deadline, 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 container tightly sealed.

· **7.3 Specific end use(s)**
Those typical of the product and the instructions in the data sheet if required.

SECTION 8: Exposure controls/personal protection

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

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
67-63-0 propan-2-ol (12.5-15%)	
WEL	Short-term value: 1250 mg/mį, 500 ppm Long-term value: 999 mg/mį, 400 ppm
95-63-6 1,2,4-trimethylbenzene (<0.25%)	
WEL	Long-term value: 125 mg/mį, 25 ppm ILV
67-56-1 methanol (<0.1%)	
WEL	Short-term value: 333 mg/mį, 250 ppm Long-term value: 266 mg/mį, 200 ppm Sk
98-82-8 cumene (<0.1%)	
WEL	Short-term value: 250 mg/mį, 50 ppm Long-term value: 125 mg/mį, 25 ppm Sk

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104-76-7 2-Ethyl-1-hexanol (<0.1%)	
WEL	*Long-term value: 5.4 mg/mį, 1 ppm*
526-73-8 1,2,3-trimethylbenzene (<0.1%)	
WEL	*Long-term value: 125 mg/mį, 25 ppm* *ILV*
34590-94-8 Dipropylene glycol monomethyl ether (<1%)	
WEL	*Long-term value: 308 mg/mį, 50 ppm* *Sk*

· ***DNELs***

67-63-0 propan-2-ol		
Oral	*DNEL*	*26 mg/kg bw/d (population)*
Inhalative	*DNEL*	*500 mg/mc (Workers)*
		89 mg/mc (population)
Irritation of skin	*DNEL*	*888 mg/kg bw/d (Workers)*
		319 mg/kg bw/d (population)
577-11-7 docusate sodium		
Inhalative	*DNEL*	*44.1 mg/mc (Workers)*
Irritation of skin	*DNEL*	*31.3 mg/kg bw/d (Workers)*
64742-95-6 Solvent naphtha (petroleum), light arom.		
Inhalative	*DNEL*	*150 mg/mc (Workers)*
Irritation of skin	*DNEL*	*25 mg/kg bw/d (Workers)*
95-63-6 1,2,4-trimethylbenzene		
Inhalative	*DNEL acuto/agudo/ostre/aigu/acute/akut*	*100 mg/mc (Workers)*
	DNEL	*100 mg/mc (Workers)*
Irritation of skin	*DNEL*	*16,171 mg/kg bw/d (Workers)*

· ***PNECs***

67-63-0 propan-2-ol	
PNEC Acqua dolce/water/woda sğodka/eau/agua/	*140.9 mg/L (_)*
PNEC Suolo/earth/suelo/ţſtsцpO/	*28 mg/kg (_)*
577-11-7 docusate sodium	
PNEC Acqua dolce/water/woda sğodka/eau/agua/	*0.0066 mg/L (_)*
PNEC Suolo/earth/suelo/ţſtsцpO/	*0.138 mg/kg (_)*
95-63-6 1,2,4-trimethylbenzene	
PNEC Acqua dolce/water/woda sğodka/eau/agua/	*0.12 mg/L (_)*
PNEC Suolo/earth/suelo/ţſtsцpO/	*2.34 mg/kg (_)*

· ***Additional information:*** *The lists valid during the making were used as basis.*

· ***8.2 Exposure controls***

· ***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.
Avoid contact with the eyes and skin.

(Contd. on page 6)

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· **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product and in accordance with EN 374 and Directive 89/686/EEC.
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

· **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.

· **Eye protection:**



Glasses (EN166) or other protective equipment

*

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
· **Form:**	Fluid
· **Colour:**	According to product specification
· **Odour:**	Strong
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
· **Melting point/freezing point:**	Undetermined.
· **Initial boiling point and boiling range:**	82 °C
· **Flash point:**	40 °C
· **Flammability (solid, gas):**	Not applicable.
· **Ignition temperature:**	425 °C
· **Decomposition temperature:**	Not determined.
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

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· **Explosion limits:**	
· **Lower:**	2 Vol %
· **Upper:**	12 Vol %
· **Vapour pressure at 20 °C:**	43 hPa
· **Density at 20 °C:**	0.986 g/cmį
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with**	
· **water:**	Not miscible or difficult to mix.
· **Partition coefficient: n-octanol/water:**	Not determined.
· **Viscosity:**	
· **Dynamic:**	Not determined.
· **Kinematic at 20 °C:**	40 s (ISO 4 mm)
· **Oxidising properties :**	N.A.
· **Solvent content:**	
· **VOC and Total VOC (organic solvents + reactive solvents if any)**	15.56 %
· **Water:**	59.6 %
· **VOC (EC)**	153.4 g/l
· **Solids content:**	24.9 %
· **9.2 Other information**	No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** Typical of the product as indicated in the data sheet
· **10.2 Chemical stability**
The product is stable in normal conditions of storage and use recommended
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

67-63-0 propan-2-ol		
Oral	LD50	4,710 mg/kg (mouse)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	72.6 mg/l (mouse)

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577-11-7 docusate sodium		
Oral	LD50	3,001 mg/kg (mouse)
Dermal	LD50	2,525 mg/kg (rabbit)
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	6,801 mg/kg (mouse)
Dermal	LD50	3,401 mg/kg (rab)
Inhalative	LC50/4 h	20.1 mg/l (mouse)
95-63-6 1,2,4-trimethylbenzene		
Oral	LD50	5,000 mg/kg (mouse)
Inhalative	LC50/4 h	11 mg/l (mouse)
2634-33-5 1,2-benzisothiazol-3(2H)-one		
Oral	LD50	1,193 mg/kg (mouse)
Dermal	LD50	4,115 mg/kg (rabbit)

· ***Primary irritant effect:***
· ***Skin corrosion/irritation*** Based on available data, the classification criteria are not met.
· ***Serious eye damage/irritation***
Causes serious eye irritation.
· ***Respiratory or skin sensitisation***
May cause an allergic skin reaction.
· ***CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)***
· ***Germ cell mutagenicity*** Based on available data, the classification criteria are not met.
· ***Carcinogenicity*** Based on available data, the classification criteria are not met.
· ***Reproductive toxicity*** Based on available data, the classification criteria are not met.
· ***STOT-single exposure*** Based on available data, the classification criteria are not met.
· ***STOT-repeated exposure*** Based on available data, the classification criteria are not met.
· ***Aspiration hazard*** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· ***12.1 Toxicity***

· ***Aquatic toxicity:***	
67-63-0 propan-2-ol	
EC50	1,001 mg/l (algae) (72 h)
	10,000 mg/l (daphnia) (24 h)
LC50 (96h)	9,640 mg/l (Fish)
577-11-7 docusate sodium	
EC50	100 mg/l (algae) (48 h)
	6.6 mg/l (daphnia) (48 h)
LC50 (96h)	17.3 mg/l (Fish)
64742-95-6 Solvent naphtha (petroleum), light arom.	
EC50	1 mg/l (algae) (72 h)
	1 mg/l (daphnia) (48 h)
LC50 (96h)	1 mg/l (Fish)
2634-33-5 1,2-benzisothiazol-3(2H)-one	
EC50	2.94 mg/l (daphnia) (48 h)

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LC50 (96h)	2.18 mg/l (Fish)
55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)	
EC50	0.027 mg/l (algae) (72 h)
	0.16 mg/l (daphnia) (48 h)
LC50 (96h)	0.19 mg/l (Fish)

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Hand over to hazardous waste disposers.
The code number of the product as is 080111

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN-Number**
· **ADR, IMDG, IATA** UN1263

· **14.2 UN proper shipping name**
· **ADR, IMDG, IATA** PAINT

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**



· **Class** 3 Flammable liquids.
· **Label** 3

· **14.4 Packing group**
· **ADR, IMDG, IATA** III

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· **14.5 Environmental hazards:**
· **Marine pollutant:** No

· **14.6 Special precautions for user** Warning: Flammable liquids.
· **Danger code (Kemler):** 30
· **EMS Number:** F-E,S-E
· **Stowage Category** A

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **ADR**
· **Limited quantities (LQ)** 5L
· **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
· **Transport category** 3
· **Tunnel restriction code** D/E
· **Remarks:** Classification: 3 ADR P.G. III UN 1866 RESIN SOLUTION when packages > 450 liters
IMDG 3 P.G. III UN 1866 RESIN SOLUTION when packages > 30 liters

· **IMDG**
· **Limited quantities (LQ)** 5L
· **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":** UN 1263 PAINT, 3, III

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Directive n. : 80/1107/CEE, n. 82/605/CEE, n. 83/477/CEE, n. 86/188/CEE e n. 88/642/CEE, 89/391/CEE, 89/654/CEE, 89/655/CEE, 89/656/CEE, 90/269/CEE, 90/270/CEE, 90/394/CEE, 90/679/CEE, 93/88/CEE, 95/63/CE, 97/42/CE, 98/24/CE, 99/38/CE, 99/92/CE, 2001/45/CE, 2002/44,2003/10/CE, 2003/18/CE , 2004/40/CE,2006/25
DIRECTIVE 2012/18/EU
P5c Flammable Limit 1: 5000 t
Limit 2: 50000 t
· **Various regulations** For uses not regulated by D. 2004/42/EC-For professional use only
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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· ***National regulations:***
The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
· ***15.2 Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

SECTION 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.

· ***Relevant phrases***
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

· ***Department issuing SDS:*** *IVM Chemicals Srl*
· ***Contact:*** *Claudia Zanella*
· ***Abbreviations and acronyms:***
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids ï Category 2
Flam. Liq. 3: Flammable liquids ï Category 3
Acute Tox. 3: Acute toxicity ï Category 3
Acute Tox. 4: Acute toxicity ï Category 4
Acute Tox. 2: Acute toxicity ï Category 2
Skin Corr. 1B: Skin corrosion/irritation ï Category 1B
Skin Irrit. 2: Skin corrosion/irritation ï Category 2
Eye Dam. 1: Serious eye damage/eye irritation ï Category 1
Eye Irrit. 2: Serious eye damage/eye irritation ï Category 2
Skin Sens. 1: Skin sensitisation ï Category 1
Skin Sens. 1A: Skin sensitisation ï Category 1A
STOT SE 3: Specific target organ toxicity (single exposure) ï Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard ï Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard ï Category 1

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Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard ï Category 2

· ***Sources***
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL and following amendments
Agency ECHA web site
INRS Fiche Toxicologique

· **** Data compared to the previous version altered.***