

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

- **1.1 Product identifier**
 - *Product code* XHC6
 - *Trade name:* **HYDROCROM CLEAR WAX IMPR.**
- **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*
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **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* Void
 - *Signal word* Void
 - *Hazard statements*
 H412 Harmful to aquatic life with long lasting effects.
 - *Precautionary statements*
 P273 Avoid release to the environment.
 P501 Dispose of contents/container in accordance with local.
 - *Additional information:*
 EUH208 Contains 3-Iodo-2-propynylbutylcarbamate, 2,4,7,9-tetramethyldec-5-yne-4,7-diol, 1,2-benzisothiazol-3(2H)-one, 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). May produce an allergic reaction.
- **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:*

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CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36-XXXX	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-4.99%
CAS: 55406-53-6 EINECS: 259-627-5	3-Iodo-2-propynylbutylcarbamate ⚠ Acute Tox. 3, H331 ⚠ STOT RE 1, H372 ⚠ Eye Dam. 1, H318 ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1) ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	0.5-<1%
CAS: 126-86-3 EINECS: 204-809-1 Reg.nr.: 01-2119954390-39-XXXX	2,4,7,9-tetramethyldec-5-yne-4,7-diol ⚠ Eye Dam. 1, H318 ⚠ Skin Sens. 1, H317 Aquatic Chronic 3, H412	0.1-<0.5%
CAS: 127087-87-0 932-098-4	Nonylphenol, ethoxylated ⚠ Eye Dam. 1, H318 ⚠ Aquatic Chronic 2, H411 ⚠ Acute Tox. 4, H302	0.1-<0.5%
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazol-3(2H)-one ⚠ Eye Dam. 1, H318 ⚠ Aquatic Acute 1, H400 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	<0.05%
CAS: 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) ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 ⚠ Skin Corr. 1B, H314 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Skin Sens. 1, H317	<0.0015%

· SVHC

127087-87-0 Nonylphenol, ethoxylated

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

SECTION 4: First aid measures

· 4.1 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.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **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

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- **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:*
 CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
 Formation of toxic gases is possible during heating or in case of fire.
- **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**
 Ensure adequate ventilation
 Keep away from ignition sources.
- **6.2 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.
 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.
- **6.4 Reference to other sections**
 No dangerous substances are released.
 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** No special precautions are necessary if used correctly.
 - *Information about fire - and explosion protection:* No special measures required.
- **7.2 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 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:* None.

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- **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:*

111-76-2 2-butoxyethanol

WEL	Short-term value: 246 mg/m , 50 ppm Long-term value: 123 mg/m , 25 ppm Sk, BMGV
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57-55-6 propan-1,2-diol

WEL	Long-term value: 474* 10** mg/m , 150* ppm *total vapour and particulates **particulates
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- *DNELs*

111-76-2 2-butoxyethanol

Inhalative	DNEL acuto/agudo/ostre/aigu/acute/akut	663 mg/mc (Workers)
	DNEL	98 mg/mc (Workers)
Irritation of skin	DNEL acuto/agudo/ostre/aigu/acute/akut	89 mg/kg bw/d (Workers)
	DNEL	75 mg/kg bw/d (Workers)

- *PNECs*

111-76-2 2-butoxyethanol

PNEC Acqua dolce/water/woda sypdka/eau/agua	8.8 mg/L (—)
PNEC Suolo/earth/suolo/sol/gleba/	2.8 mg/kg (—)

- *Ingredients with biological limit values:*

111-76-2 2-butoxyethanol

BMGV	240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid
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- *Additional information: The lists valid during the making were used as basis.*

· 8.2 Exposure controls

- *Personal protective equipment:*

- *General protective and hygienic measures: Wash hands before breaks and at the end of work.*

- *Respiratory protection: Not required.*

- *Protection of hands:*

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.

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- *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:* Goggles recommended during refilling

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:* Characteristic
- *Odour threshold:* Not determined.

· *pH-value:* Not determined.

· Change in condition

- *Melting point/Melting range:* Undetermined.
- *Boiling point/Boiling range:* 100 °C

· *Flash point:* 65 °C

· *Flammability (solid, gaseous):* Not applicable.

· *Ignition temperature:* 240 °C

· *Decomposition temperature:* Not determined.

· *Self-igniting:* Product is not selfigniting.

· *Danger of explosion:* Product does not present an explosion hazard.

· Explosion limits:

- *Lower:* 1.1 Vol %
- *Upper:* 12.6 Vol %

· *Vapour pressure at 20 °C:* 1.2 hPa

· *Density at 20 °C:* 1.01 g/cm

- *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:* 29 s (ISO 3 mm)
- *Oxidising properties :* N.A.

· Solvent content:

- *VOC and Total VOC*
 (organic solvents + reactive solvents if any) 9.70 %
- *Water:* 66.5 %
- *VOC (EC)* 98.0 g/l

· *Solids content:* 23.8 %

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· **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:**

111-76-2 2-butoxyethanol

Oral	LD50	1480 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	1100 mg/kg (rab)

55406-53-6 3-Iodo-2-propynylbutylcarbamate

Oral	LD50	500 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	5001 mg/kg (rat/szczur/mouse/souris/Maus/ratón)

126-86-3 2,4,7,9-tetramethyldec-5-yne-4,7-diol

Oral	LD50	4600 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
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127087-87-0 Nonylphenol, ethoxylated

Oral	LD50	1999 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	2001 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)

2634-33-5 1,2-benzisothiazol-3(2H)-one

Oral	LD50	1193 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	4115 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)

- **Primary irritant effect:**
 - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
 - **Serious eye damage/irritation**
 Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, 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.

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SECTION 12: Ecological information

- **12.1 Toxicity** Harmful to aquatic life with long lasting effects.

· Aquatic toxicity:	
111-76-2 2-butoxyethanol	
EC50	101 mg/l (daphnia) (24 h)
LC50 (96h)	101 mg/l (Fish)
55406-53-6 3-Iodo-2-propynylbutylcarbamate	
EC50	0.022 mg/l (algae) (72 h)
	0.16 mg/l (daphnia) (48 h)
LC50 (96h)	0.067 mg/l (Fish)
127087-87-0 Nonylphenol, ethoxylated	
EC50	100 mg/l (algae) (72 h)
	100 mg/l (daphnia) (48 h)
LC50 (96h)	10 mg/l (Fish)
2634-33-5 1,2-benzisothiazol-3(2H)-one	
EC50	2.94 mg/l (daphnia) (48 h)
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	0.1 mg/l (daphnia) (48 h)

- **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.
 - **Ecotoxicological effects:**
 - **Remark:** Harmful to fish
 - **Additional ecological information:**
 - **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.
 Harmful to aquatic organisms
- **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**

Smaller quantities can be disposed of with household waste.
 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

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

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number
· ADR, ADN, IMDG, IATA | Not classified |
| · 14.2 UN proper shipping name
· ADR, ADN, IMDG, IATA | Not classified |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Not classified |
| · 14.4 Packing group
· ADR, IMDG, IATA | Not classified |
| · 14.5 Environmental hazards:
· Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Not classified |

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

- **Various regulations**
Dir 2004/42/EC - EU limit value for this product (Cat A / e): 130 g / l
This product contains a maximum of 100 g / l VOC - Paint and wood impregnation for interior / exterior trim.
· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 20, 28, 29, 55
- **National regulations:**
The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
- **Other regulations, limitations and prohibitive regulations**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

127087-87-0 | Nonylphenol, ethoxylated

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H312 Harmful 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.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H372 Causes damage to organs through prolonged or repeated exposure.
- 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.
- H412 Harmful to aquatic life with long lasting effects.

- **Department issuing SDS: IVM Chemicals Srl**

- **Contact: Carlo Porta**

- **Abbreviations and acronyms:**

- 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
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxicity . Category 4
- Acute Tox. 3: Acute toxicity . Category 3
- Skin Corr. 1B: Skin corrosion/irritation . Category 1B
- Skin Irrit. 2: Skin corrosion/irritation . Category 2
- Eye Dam. 1: Serious eye damage/eye irritation . Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation . Category 2
- Skin Sens. 1: Skin sensitisation . Category 1
- STOT RE 1: Specific target organ toxicity (repeated exposure) . Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard . Category 1
- 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 3: Hazardous to the aquatic environment - long-term aquatic hazard . Category 3

- **Sources**

- Directive 1999/45/EC and following amendments
- Directive 67/548/EEC and following amendments and adjustments
- Agency ECHA web site
- INRS Fiche Toxicologique

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