

1 Identification

- **Product identifier**
 - *Product number* CHT101
 - *Trade name:* **Kromopastel conc. White**
 - *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**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**

- *GHS label elements*

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

- *Hazard pictograms*



GHS02



GHS07

- *Signal word* Warning

- *Hazard-determining components of labeling:*

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 vapor.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

- *Precautionary statements*

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

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.

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P403+P235
P501

Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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Classification system:

· **NFPA ratings (scale 0 - 4)**



Health = 1
Fire = 2
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



HEALTH 1 Health = 1
FIRE 2 Fire = 2
REACTIVITY 0 Reactivity = 0

3 Composition/information on ingredients

Chemical characterization: Mixtures

· **Description:** Mixture: consisting of the following components.

Dangerous components:

67-63-0	propan-2-ol <ul style="list-style-type: none"> Flam. Liq. 2, H225 Eye Irrit. 2A, H319; STOT SE 3, H336 	12.5-15%
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) <ul style="list-style-type: none"> 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. 1, H317 	≥0.0015-<0.01%

4 First-aid measures

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. If symptoms persist, consult a doctor.

· **After swallowing:** Do not induce vomiting; immediately call for medical help.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

For symptoms and effects caused by substances, refer to Section 11.

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- *Indication of any immediate medical attention and special treatment needed*
No further relevant information available.

5 Fire-fighting measures

- **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.

- **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

- **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**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

- **Environmental precautions:** 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.

Ensure adequate ventilation.

- **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.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

67-63-0	propan-2-ol	400 ppm
577-11-7	docusate sodium	5.7 mg/m ³
95-63-6	1,2,4-trimethylbenzene	140 ppm

- **PAC-2:**

67-63-0	propan-2-ol	2000* ppm
577-11-7	docusate sodium	63 mg/m ³
95-63-6	1,2,4-trimethylbenzene	360 ppm

- **PAC-3:**

67-63-0	propan-2-ol	12000** ppm
577-11-7	docusate sodium	380 mg/m ³
95-63-6	1,2,4-trimethylbenzene	480 ppm

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7 Handling and storage

· Handling:

- **Precautions for safe handling**
 Ensure good ventilation/exhaustion at the workplace.
 Protect against electrostatic charges.
 Use explosion-proof apparatus / fittings and spark-proof tools.

- **Information about protection against explosions and fires:**

- Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.

· 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 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.

8 Exposure controls/personal protection

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

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

- The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
 At this time, the remaining constituent has no known exposure limits.

67-63-0 propan-2-ol

PEL	Long-term value: 980 mg/m , 400 ppm
REL	Short-term value: 1225 mg/m , 500 ppm Long-term value: 980 mg/m , 400 ppm
TLV	Short-term value: 984 mg/m , 400 ppm Long-term value: 492 mg/m , 200 ppm
BEI	

- **Ingredients with biological limit values:**

67-63-0 propan-2-ol

BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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- **Additional information:** The lists that were valid during the creation were used as basis.

- **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.

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- Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **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.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

- **Form:** Fluid
- **Color:** According to product specification
- **Odor:** Strong
- **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· Change in condition

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 82°C (°F)

· **Flash point:** 40°C (°F)

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

· **Ignition temperature:** 425°C (°F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits:

- **Lower:** 2 Vol %
- **Upper:** 12 Vol %

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· Vapor pressure at 20°C (68 °F):	43 hPa (mm Hg)	
· Density at 20°C (68 °F):	1.151 g/cm (lbs/gal)	
· Relative density	Not determined.	
· Vapor 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 (68 °F):	40 s (ISO 4 mm)	
· Oxidising properties:	N.A.	
· Solvent content:		
· Water:	59.6 %	
· VOC content:	15.61 %	
	179.7 g/l / 1.50 lb/gl	
· Solids content:	24.8 %	
· Other information (HAPS)		
67-56-1	methanol	<0.1%
98-82-8	cumene	<0.1%
1330-20-7	xylene	<0.01%
· 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 according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity:**

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

67-63-0 propan-2-ol

Oral	LD50	4,710 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	12,800 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)
Inhalative	LC50/4 h	72.6 mg/l (rat/szczur/mouse/souris/Maus/ratón)

577-11-7 docusate sodium

Oral	LD50	3,001 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
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Dermal	LD50	2,525 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	6,801 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	3,401 mg/kg (rab)
Inhalative	LC50/4 h	20.1 mg/l (rat/szczur/mouse/souris/Maus/ratón)
95-63-6 1,2,4-trimethylbenzene		
Oral	LD50	5,000 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Inhalative	LC50/4 h	11 mg/l (rat/szczur/mouse/souris/Maus/ratón)

- **Primary irritant effect:**
 - *on the skin:* No irritant effect.
 - *on the eye:* Irritating effect.
Causes serious eye irritation.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
 - Irritant
 - Causes serious eye irritation.
 - May cause an allergic skin reaction.

· **Carcinogenic categories**

· IARC (International Agency for Research on Cancer - Cl. 1 and 2)		
98-82-8	cumene	2B
· NTP (National Toxicology Program)		
98-82-8	cumene	<0.1%
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

12 Ecological information

· **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)
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)

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LC50 (96h) 0.19 mg/l (Fish)

- **Persistence and degradability** No further relevant information available.

- **Substances Easily biodegradable**

67-63-0 | propan-2-ol | .

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

- Water hazard class 1 (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.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

- Must not be disposed of together with household garbage. Do not allow product to reach 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.

14 Transport information

- **UN-Number**

- **DOT**

NA1263

- **IMDG, IATA**

UN1263

- **UN proper shipping name**

- **DOT**

Paint

- **IMDG, IATA**

PAINT

- **Transport hazard class(es)**

- **DOT**



- **Class**

3 Flammable liquids

- **Label**

3

- **Class**

3 Flammable liquids

- **Label**

3

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· **IMDG, IATA**

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

· **Packing group**

· **DOT, IMDG, IATA** III

· **Environmental hazards:**

· **Marine pollutant:** No

· **Special precautions for user**

Warning: Flammable liquids

· **Danger code (Kemler):** 30
 · **EMS Number:** F-E, S-E
 · **Stowage Category** A

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **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

15 Regulatory information

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

Requirements of Federal Register

· **SARA**· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings) :**

67-63-0	propan-2-ol	12.5-15%
95-63-6	1,2,4-trimethylbenzene	≥0.1- 0.25%
67-56-1	methanol	<0.1%
98-82-8	cumene	<0.1%
52-51-7	bronopol (INN)	<0.01%

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1330-20-7	xylene	<0.01%
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· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

98-82-8	cumene	*	<0.1%
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· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

67-56-1	methanol	<0.1%
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· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

95-63-6	1,2,4-trimethylbenzene	II	≥0.1-≤0.25%
98-82-8	cumene	D, CBD	<0.1%
526-73-8	1,2,3-trimethylbenzene	II	<0.1%
1330-20-7	xylene	I	<0.01%

· **TLV (Threshold Limit Value established by ACGIH)**

67-63-0	propan-2-ol	A4
1330-20-7	xylene	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **National regulations:**

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

- **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** 11/10/2017 / 248

· **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

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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

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Safety Data Sheet

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NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 2: Flammable liquids . Category 2

Flam. Liq. 3: Flammable liquids . Category 3

Acute Tox. 3: Acute toxicity . Category 3

Acute Tox. 2: Acute toxicity . Category 2

Skin Corr. 1B: Skin corrosion/irritation . Category 1B

Eye Irrit. 2A: Serious eye damage/eye irritation . Category 2A

Skin Sens. 1: Skin sensitisation . Category 1

STOT SE 3: Specific target organ toxicity (single exposure) . Category 3

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

- **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

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