

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

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

1.1 Product identifier

- Rt qf weveqf g TA48
- Vtcfg pco g < **HB CLEAR PU SEALER**
- 3040Tgqxcpvlf gpvllgf wgu qhv j g wduacpeg qt o kwtg cpf wgu cf xlugf ci clpw
Painting product for coating and / or decoration of manufactured articles.
- Crrnecvqp qhv j g wduacpeg Ij g o kwtg 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

1.3.2 Importer

Name: AKZOLUX AUSTRALIA T/as: SUPERIOR TIMBER COATINGS

Address: 13/257 COLCHESTER ROAD KILSYTH, VICTORIA, AUSTRALIA E-Mail: tom@stcoatings.com.au

Information department:

Environmental Health and safety office hseoffice@ivmchemicals.com

Emergency telephone number:

From 8.30am to 3.30pm (AEST) +61 03 9761 6899 Out of the mentioned hours, Saturdays and Sundays and during periods of closure for holidays please call: +61410 635 016

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- EncuHecvqp ceeqf lpi vj Tgi wrcvqp *GE+Pq 3494H22:



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Oral, Inhalation.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

- Ncdgnlpi ceeqf lpi vj Tgi wrcvqp *GE+Pq 3494H22:

The product is classified and labelled according to the CLP regulation.

- J c/ctf rkwqi tco u



GHS02



GHS07



GHS08

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- **Uk pcny qtf** Danger

- **J c|ctf/fvgto lplpi eqo r qpgpw qhxdgnlpi <**
xylene

- **J c|ctf uxvgo gpw**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to the hearing organs through prolonged or repeated exposure.

Route of exposure: Oral, Inhalation.

H412 Harmful to aquatic life with long lasting effects.

- **Rt gecwlpct{ uxvgo gpw**

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240

Ground and bond container and receiving equipment.

P241

Use explosion-proof [electrical/ventilating/lighting] equipment.

P260

Do not breathe vapours.

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 [or shower].

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312

Call a POISON CENTER/doctor if you feel unwell.

P403+P233

Store in a well-ventilated place. Keep container tightly closed.

P405

Store locked up.

P501

Dispose of contents/container in accordance with local.

- **Cffkwpncnlplto cvlqp <**

EUH208 Contains Fatty acids, tallow, oleylamine compounds. May produce an allergic reaction.

2.3 Other hazards

- **Tgwnu qhRDV cpf xRxD cuquuo gpv**

- **RDV <**Not applicable.







- **xRxD <**Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

- **Fguetlr vqp <**Mixture: consisting of the following components.

- **Fcpi gtqwu eqo r qpgpw <**

CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	xylene  Flam. Liq. 3, H226  STOT RE 2, H373; Asp. Tox. 1, H304  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Chronic 3, H412	30-49.99%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119488216-32-XXXX	ethylbenzene  Flam. Liq. 2, H225  STOT RE 2, H373; Asp. Tox. 1, H304  Acute Tox. 4, H332	5-9.99%

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		(Contd. of page 2)
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate ⚠ Flam. Liq. 2, H225 ⚠ STOT SE 3, H336	5-9.99%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	2.5-4.99%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-XXXX	butanone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	2.5-4.99%

· Cf f l k a p c n l p h q t o c v k a p < For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· I g p g t c n l p h q t o c v k a p <

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)

· Chgt l p j c r v k a p <

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

· Chgt u n l p e q p w e v <

Remove contaminated clothing.

Immediately wash with water and soap, or a recognized skin cleanser, and rinse thoroughly.

Take off immediately all contaminated clothing, include underwear and shoes (if necessary).

Rinse thoroughly with plenty of water for at least 20 minutes and take medical advise. I medical advise is needed have products container or label at hand.

· Chgt g { g e q p w e v <

Rinse opened eye for several minutes under running water. Then consult a doctor.

· Chgt u y c n u y l p i < 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**

· U w k e d i g g z v l p i w h j l p i c i g p v u < Alcohol resistant foam, CO, powder, water spray/mist.

· H q t u l g v f t g c u p u w p u w k e d i g g z v l p i w h j l p i c i g p v u <

Do not use a jet water stream as it may scatter and spread fire.

· **5.2 Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

· **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.

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· *Rt qvgevkxg gs wlr o gpv<*

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

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

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.

Ensure adequate ventilation.

· 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.

Keep respiratory protective device available.

Use explosion-proof apparatus / fittings and spark-proof tools.

· *lphqto cvkqp cdqww hkg / cpf gznqkqp rtqvgevkqp<*

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

· 7.2 Conditions for safe storage, including any incompatibilities

· *Uwtci g<*

· *Tgs wktgo gpvuv dg o gvd{ wqtgtqgo ucpf tgegrwengv<*

Store in a cool, well-ventilated area, away from heat and sources of ignition

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.

· *lphqto cvkqp cdqww wqtci g lp qpg eqo o qp wqtci g hckhw{<* <Not required.

· *Hwtvj gt lphqto cvkqp cdqww wqtci g eqpf hktqpv<*

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

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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

· **8.1 Control parameters**

· 100-41-4 ethylbenzene (5-9.99%)		
WEL	Short-term value: 552 mg/m , 125 ppm Long-term value: 441 mg/m , 100 ppm Sk	
· 78-93-3 butanone (2.5-4.99%)		
WEL	Short-term value: 899 mg/m , 300 ppm Long-term value: 600 mg/m , 200 ppm Sk, BMGV	
· 123-86-4 n-butyl acetate (<0.5%)		
WEL	Short-term value: 966 mg/m , 200 ppm Long-term value: 724 mg/m , 150 ppm	
· 1330-20-7 xylene		
Inhalative	DNEL acuto/agudo/ostre/aigu/acute/akut	289 mg/mc (Workers)
	DNEL	77 mg/mc (Workers)
Irritation of skin	DNEL	180 mg/kg bw/d (Workers)
· 100-41-4 ethylbenzene		
Inhalative	DNEL acuto/agudo/ostre/aigu/acute/akut	293 mg/mc (Workers)
	DNEL	77 mg/mc (Workers)
Irritation of skin	DNEL	180 mg/kg bw/d (Workers)
· 110-19-0 isobutyl acetate		
Oral	DNEL	5 mg/kg bw/d (population)
Inhalative	DNEL acuto/agudo/ostre/aigu/acute/akut	600 mg/mc (Workers)
	DNEL	300 mg/mc (population)
	DNEL	300 mg/mc (Workers)
	DNEL	35.7 mg/mc (population)
Irritation of skin	DNEL acuto/agudo/ostre/aigu/acute/akut	5 mg/kg bw/d (population)
	DNEL	10 mg/kg bw/d (Workers)
	DNEL	5 mg/kg bw/d (population)
· 108-65-6 2-methoxy-1-methylethyl acetate		
Inhalative	DNEL	275 mg/mc (Workers)
Irritation of skin	DNEL	153.5 mg/kg bw/d (Workers)
· 78-93-3 butanone		
Inhalative	DNEL	600 mg/mc (Workers)
Irritation of skin	DNEL	1,161 mg/kg bw/d (Workers)

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GB

AUSTRALIAN DISTRIBUTOR - Superior Timber Coatings

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· RPGEu	
1330-20-7 xylene	
PNEC Acqua dolce/water/woda sľodka/eau/agua/水	0.327 mg/L ()
PNEC Suolo/earth/suelo/ /地面	2.31 mg/kg ()
100-41-4 ethylbenzene	
PNEC Acqua dolce/water/woda sľodka/eau/agua/水	0.1 mg/L ()
PNEC Suolo/earth/suelo/ /地面	2.68 mg/kg ()
110-19-0 isobutyl acetate	
PNEC Acqua dolce/water/woda sľodka/eau/agua/水	0.17 mg/L ()
PNEC Suolo/earth/suelo/ /地面	0.0755 mg/kg ()
108-65-6 2-methoxy-1-methylethyl acetate	
PNEC Acqua dolce/water/woda sľodka/eau/agua/水	0.635 mg/L ()
PNEC Suolo/earth/suelo/ /地面	0.29 mg/kg ()
78-93-3 butanone	
PNEC Acqua dolce/water/woda sľodka/eau/agua/水	55.8 mg/L ()
PNEC Suolo/earth/suelo/ /地面	22.5 mg/kg ()
· Ķi tgfkgvuy kj dkiqi kcniko lvxcnwgk	
78-93-3 butanone (2.5-4.99%)	
BMGV	70 µmol/L
	Medium: urine
	Sampling time: post shift
	Parameter: butan-2-one

· Cfjklqpnkqlqt o cvlqp < The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Rgtuqpcnrtqgevkg gs wlr o gpv<

· I gpgtcnrtqgevkg cpf j {i kpkle o gcuntgk<

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.

Avoid contact with the eyes and skin.

· Tgur kcvqt { rtqgevqk<

Short term filter device:

Filter AX



Suitable respiratory protective device recommended. (EN140)

· Rtqgevqk qhj cpf k<



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

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· **O cvgtkcnghi npxgu**

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.

· **Rpgwtvqwp wo g qhi npxg o cvgtkcn**

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

· **Gfgrtqvewtqp <**



Glasses (EN166) or other protective equipment

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **I gpgtcnkpqto cvtqp**

· **Crrgctcpeg <**

· **Hqto <**

Fluid

· **Eqvwt <**

According to product specification

· **Qf qwt <**

Strong

· **Qf qwt vj tguj qif <**

Not determined.

· **rJ /xcwng <**

Not determined.

· **Ej cpi g kp eqpfhtqp**

· **Ognkpi rqlpvltgg/lpi rqlpv <**

Undetermined.

· **Kpkkndqktpi rqlpvcpf dqktpi tcpi g <**

78 °C

· **Hrcuj rqlpv <**

-4 °C

· **Hrc o cdkkyl *uqkf. i cu <**

Not applicable.

· **Kpkkqp vgo rgtcwtg <**

315 °C

· **Fgeqo rqukkqp vgo rgtcwtg <**

Not determined.

· **Cwq/li pkkqp vgo rgtcwtg <**

Product is not selfigniting.

· **Gzrqukkxg rtqr gt vgu <**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Gzrqukkqp rko kv <**

· **Nqy gt <**

1 Vol %

· **Wrrgt <**

30 Vol %

· **Xcrqwt rtguwtg cv42 °C:**

105 hPa

· **Density at 20 °C:**

0.989 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.

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- **Viscosity:**
 - **Dynamic:** Not determined.
 - **Kinematic at 20 °C:** 25 s (ISO 6 mm)
- **Oxidising properties :** N.A.

- **Solvent content:**
 - **VOC and Total VOC**
(organic solvents + reactive solvents if any) 51.73 %
 - **Water:** 0.0 %
 - **VOC (EC)** 511.6 g/l

- **Solids content:** 48.3 %
- **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**
Reacts with oxidising agents.
Vapours may form explosive mixtures with air
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**

In case of possible formation of combustion:
Carbon monoxide and carbon dioxide

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:**

1330-20-7 xylene

Oral	LD50.	3,523 mg/kg (mouse)
Dermal	LD50.	12,126 mg/kg (rabbit)
Inhalative	LC50/4h.	27.571 mg/l (mouse)

100-41-4 ethylbenzene

Oral	LD50	3,500 mg/kg (mouse)
Dermal	LD50	15,486 mg/kg (rabbit)
Inhalative	LC50/4 h	17.2 mg/l (mouse)

110-19-0 isobutyl acetate

Oral	LD50	13,400 mg/kg (mouse)
Dermal	LD50	17,401 mg/kg (rabbit)
Inhalative	LC50/4 h	31 mg/l (mouse)

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108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8,532 mg/kg (mouse)
Dermal	LD50	5,001 mg/kg (rabbit)
Inhalative	LC50/4 h	35.7 mg/l (mouse)

78-93-3 butanone

Oral	LD50	2,001 mg/kg (mouse)
Dermal	LD50	5,001 mg/kg (rabbit)
Inhalative	LC50/4 h	21 mg/l (mouse)

- **Primary irritant effect:**
 - **Skin corrosion/irritation**
Causes skin irritation.
 - **Serious eye damage/irritation**
Causes serious eye irritation.
- **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**
May cause respiratory irritation.
- **STOT-repeated exposure**
May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Oral, Inhalation.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

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

- **Aquatic toxicity:**

1330-20-7 xylene

EC50	2.2 mg/l (algae) (72h)
LC50 48h	1 mg/l (daphnia)
LC50 (96h)	2.6 mg/l (Fish)

100-41-4 ethylbenzene

EC50	438 mg/l (algae) (72h)
	1.8 mg/l (daphnia) (48 h)
LC50 (96h)	12.1 mg/l (Fish)

110-19-0 isobutyl acetate

EC50	370 mg/l (algae) (72 h)
	25 mg/l (daphnia)
LC50 (96h)	17 mg/l (Fish)

108-65-6 2-methoxy-1-methylethyl acetate

EC50	1,001 mg/l (algae) (72 h)
	501 mg/l (daphnia) (48 h)
LC50 (96h)	134 mg/l (Fish)

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78-93-3 butanone

EC50	2,029 mg/l (algae) (96 h) 308 mg/l (daphnia) (48 h)
LC50 (96h)	2,993 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.
 - **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**

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 | II |

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· 14.5 Environmental hazards:

· *Marine pollutant:* No

· 14.6 Special precautions for user

Warning: *Flammable liquids.*

· *Danger code (Kemler):*

33

· *EMS Number:*

F-E, S-E

· *Stowage Category*

B

· 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: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· *Transport category*

2

· *Tunnel restriction code*

D/E

· **IMDG**

· *Limited quantities (LQ)*

5L

· *Excepted quantities (EQ)*

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":**

UN 1263 PAINT, 3, II

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

· **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.

GB

(Contd. on page 12)

Safety data sheet

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

Printing date 05.02.2020

Version number 397

Revision: 05.02.2020

Product code TA48**Trade name: CLEAR PU SEALER HIGH COVERAGE**

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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**

- H225 Highly flammable liquid and vapour.

- H226 Flammable liquid and vapour.

- H304 May be fatal if swallowed and enters airways.

- H312 Harmful in contact with skin.

- H315 Causes skin irritation.

- H319 Causes serious eye irritation.

- H332 Harmful if inhaled.

- H335 May cause respiratory irritation.

- H336 May cause drowsiness or dizziness.

- H373 May cause damage to the hearing organs through prolonged or repeated exposure.

- Route of exposure: Oral, Inhalation.

- H412 Harmful to aquatic life with long lasting effects.

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

- **Contact: Claudia Zanella**

- **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

- vPvB: very Persistent and very Bioaccumulative

- Flam. Liq. 2: Flammable liquids . Category 2

- Flam. Liq. 3: Flammable liquids . Category 3

- Acute Tox. 4: Acute toxicity . Category 4

- Skin Irrit. 2: Skin corrosion/irritation . Category 2

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

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

- STOT RE 2: Specific target organ toxicity (repeated exposure) . Category 2

- Asp. Tox. 1: Aspiration hazard . Category 1

- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard . Category 3

- **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.**