

Safety data sheet

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

Printing date 05.02.2020

Version number 88

Revision: 16.01.2020

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

1.1 Product identifier

- Rt qf weveqf g TX17
- Vtcf g pco g < **POLYURETHANE (SLOW) GLOSS HARDENER**
- 3040Tgqxcpvlf g p vllgf wgu qhv j g uduxpeg qt o kwtg cpf wgu cf xkgf ci clpw
Painting product for coating and / or decoration of manufactured articles.
- Crrnecvq p qhv j g uduxpeg l j 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 Email: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 above 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

- Encu llec vq p ceeqf lpi v j Tgi wv vq p *GE+P q 3494H22:



GHS02 flame

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



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

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

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

- Ncdgnlpi ceeqf lpi v j Tgi wv vq p *GE+P q 3494H22:

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

- J c/ctf r lqv i tco u



GHS02



GHS07



GHS08

- U i pcny qtf Danger

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· *J c/ctf/fvgto lplpi eqo r qpgpw qhxdgnlpi <*

Aromatic polyisocyanate

xylene

isobutyl acetate

m-tolylidene diisocyanate

· *J c/ctf uxvgo gpw*

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

· *Rt gecwlpctf uxvgo gpw*

P210

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

P241

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

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P284

[In case of inadequate ventilation] wear respiratory protection.

P301+P310

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321

Specific treatment (see on this label).

P331

Do NOT induce vomiting.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water [or 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.

P362+P364

Take off contaminated clothing and wash it before reuse.

P405

Store locked up.

P501

Dispose of contents/container in accordance with local.

· *Cffkwpncnlplto cvlp <*

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH204 Contains isocyanates. 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 vlp <*Mixture: consisting of the following components.

· *Fcpi gtqwu eqo r qpgpw <*

CAS: 53317-61-6	Aromatic polyisocyanate ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	30-49.99%
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate ⚠ Flam. Liq. 2, H225 ⚠ STOT SE 3, H336	15-19.99%

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		(Contd. of page 2)
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	15-19.99%
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	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%
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	1-2.49%
CAS: 26471-62-5 EINECS: 247-722-4 Reg.nr.: 01-2119454791-34-XXXX	m-tolidene diisocyanate  Acute Tox. 2, H330  Resp. Sens. 1, H334; Carc. 2, H351  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 Aquatic Chronic 3, H412	≥0.1-<0.5%

· Cff hkw cnhphqto ckwq <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 gpgt cnhphqto ckwq <

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 hpi ckwq <

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

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

· Chgt unhp eqpwew <

Remove contaminated clothing.

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

· Chgt glg eqpwew <

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

· Chgt wj cnqy hpi <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.

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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**

- *Uwkwcdig gz vtpi wkwj lpi ci gpw* Alcohol resistant foam, CO, powder, water spray/mist.

- *Hqt uchgv tgc upu wpuwkwcdig gz vtpi wkwj lpi ci gpw*

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.

- *Rt qvgevkg gswlr o gpw*

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.

- **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.

- *Iphto cvtp cdqwhkg / cpf gznqutqp rtqvgevkg*

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- **7.2 Conditions for safe storage, including any incompatibilities**

- *Uqtci g*

- *Tgs wktgo gpwvq dg o gvd t wqtgtqgo ucpf tgegrweng*

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

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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.

· *ĶpĶto cĶqĶ cdqĶwĶqtci g Ķp qpg eqo o qp Ķqtci g ĶcĶĶĶ* <Not required.· *HĶtĶ gt ĶpĶto cĶqĶ cdqĶwĶqtci g eqĶf ĶĶqĶĶ*

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

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

· *CĶf ĶĶqĶpĶĶpĶĶto cĶqĶ cdqĶwĶfgĶi p qĶyĶej pĶcĶnĶcĶĶĶĶĶ* <No further data; see item 7.**8.1 Control parameters**· *Ķi tgf ĶpĶyĶ Ķj Ķo ĶxcĶwĶyĶ cvtgs wĶt g o qĶĶqt Ķi cvĶj g y qtĶr Ķeg* <**141-78-6 ethyl acetate (15-19.99%)**

WEL Short-term value: 1468 mg/m , 400 ppm

Long-term value: 734 mg/m , 200 ppm

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

100-41-4 ethylbenzene (1-2.49%)

WEL Short-term value: 552 mg/m , 125 ppm

Long-term value: 441 mg/m , 100 ppm

Sk

26471-62-5 m-tolylidene diisocyanate (≥0.1-<0.5%)

WEL Short-term value: 0.07 mg/m

Long-term value: 0.02 mg/m

Sen; as -NCO

· *FPGNu***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)

300 mg/mc (population)

DNEL 300 mg/mc (Workers)

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)

5 mg/kg bw/d (population)

141-78-6 ethyl acetate

Oral DNEL 4.5 mg/kg bw/d (population)

Inhalative DNEL acuto/agudo/ostre/aigu/acute/akut 1,468 mg/mc (Workers)

734 mg/mc (population)

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Irritation of skin	DNEL	734 mg/mc (Workers) 367 mg/mc (population)
	DNEL	63 mg/kg bw/d (Workers) 37 mg/kg bw/d (population)
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)
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)
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)
26471-62-5 m-tolylidene diisocyanate		
Inhalative	DNEL acuto/agudo/ostre/aigu/acute/akut	0.14 mg/mc (Workers)
	DNEL	0.035 mg/mc (Workers)

· RPGEu

110-19-0 isobutyl acetate		
PNEC Acqua dolce/water/woda sdka/eau/agua/		0.17 mg/L ()
PNEC Suolo/earth/suelo/ /		0.0755 mg/kg ()
141-78-6 ethyl acetate		
PNEC Acqua dolce/water/woda sdka/eau/agua/		0.24 mg/L ()
PNEC Suolo/earth/suelo/ /		0.148 mg/kg ()
1330-20-7 xylene		
PNEC Acqua dolce/water/woda sdka/eau/agua/		0.327 mg/L ()
PNEC Suolo/earth/suelo/ /		2.31 mg/kg ()
108-65-6 2-methoxy-1-methylethyl acetate		
PNEC Acqua dolce/water/woda sdka/eau/agua/		0.635 mg/L ()
PNEC Suolo/earth/suelo/ /		0.29 mg/kg ()
78-93-3 butanone		
PNEC Acqua dolce/water/woda sdka/eau/agua/		55.8 mg/L ()
PNEC Suolo/earth/suelo/ /		22.5 mg/kg ()
100-41-4 ethylbenzene		
PNEC Acqua dolce/water/woda sdka/eau/agua/		0.1 mg/L ()
PNEC Suolo/earth/suelo/ /		2.68 mg/kg ()
26471-62-5 m-tolylidene diisocyanate		
PNEC Acqua dolce/water/woda sdka/eau/agua/		0.013 mg/L ()
PNEC Suolo/earth/suelo/ /		1.1 mg/kg ()

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· <i>Κρίσιμα στοιχεία κατά την παραγωγή</i>	
78-93-3 butanone (2.5-4.99%)	
BMGV	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one

· *Χρησιμοποιήθηκαν ως βάση οι λίστες που ήταν σε ισχύ κατά την παραγωγή.*

8.2 Exposure controls

· *Ρυθμίσεις που αφορούν τον χώρο εργασίας*

- *Ισοπέδωση του χώρου εργασίας από φαγητό, ποτά και ζωοτροφή.*
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.

· *Τεχνητός φίλτρο*
Short term filter device:
Filter AX



Suitable respiratory protective device recommended. (EN140)

· *Χρήση γαντιών*



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

· *Επιλογή γαντιών*

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.

· *Επιλογή χρόνου διαρροής*

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

· *Χρήση γυαλιών*



Glasses (EN166) or other protective equipment

GB

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· I gpgtcnkplqto cwkqp	
· Crrgctcpeg<	
· Hqto <	Fluid
· Eqiqt <	According to product specification
· Qf qwt <	Characteristic
· Qf qwt yj t gij qif <	Not determined.
· rJ /xcmwg<	Not determined.
· Ej cpi g lp eqpfkqpp	
· O gnkpi rqlpvlltgg/lpi rqlpv<	Undetermined.
· Kpkkndqkklpi rqlpvcpf dqkklpi tcepi g<	77 °C
· Hrcij rqlpv<	-4 °C
· Hrc o cdlklf *uqklf. i cu<	Not applicable.
· K plkqp vgo rgtcwtg<	315 °C
· Fgeqo rquklqp vgo rgtcwtg<	Not determined.
· Cwq/ki plkqp vgo rgtcwtg<	Product is not selfigniting.
· Gzriqulxg rtgrgtvkgu<	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Gzriqulqp ilo kv<	
· Ngy gt<	1 Vol %
· Wrrgt<	11.5 Vol %
· Xcrqwt rtguamtg cv42 °C:	105 hPa
· Density at 20 °C:	1.036 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:	40 s (ISO 4 mm)
· Oxidising properties :	N.A.
· Solvent content:	
· VOC and Total VOC (organic solvents + reactive solvents if any)	53.50 %
· VOC (EC)	554.3 g/l
· Solids content:	46.3 %
· 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

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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 and stored 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:****53317-61-6 Aromatic polyisocyanate**

Oral	LD50	5,001 mg/kg (mouse)
------	------	---------------------

110-19-0 isobutyl acetate

Oral	LD50	13,400 mg/kg (mouse)
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Dermal	LD50	17,401 mg/kg (rabbit)
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Inhalative	LC50/4 h	31 mg/l (mouse)
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141-78-6 ethyl acetate

Oral	LD50	4,934 mg/kg (rabbit)
------	------	----------------------

Dermal	LD50	20,001 mg/kg (rabbit)
--------	------	-----------------------

Inhalative	LC50/4 h	1,600 mg/l (mouse)
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	LC0	22.6 ppm (mouse)
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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)
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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)
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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)
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26471-62-5 m-tolyldiene diisocyanate

Oral	LD50	5,110 mg/kg (mouse)
Dermal	LD50	9,401 mg/kg (rabbit)
Inhalative	LC50/4h.	0.107 mg/l (mouse)

- **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 allergy or asthma symptoms or breathing difficulties if inhaled.

- May cause an allergic skin reaction.

- **Sensitisation**

- Toluene-diisocyanate (mixture of isomers)

- Skin sensitization (LLNA - Local Lymph Node Assay): mouse
positive Result

- Method OECD TG 429

- Respiratory sensitization

- May cause sensitization by inhalation

- **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 drowsiness or dizziness.

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

- **Aspiration hazard**

- May be fatal if swallowed and enters airways.

- **More information**

- Monomers / polymers isocyanate

- Particular characteristics / effects; Over-exposure there is a danger, as a function of concentration, irritation of the eyes, nose, throat and respiratory tract.

- Possible the delayed appearance of disorders and development of a form of hypersensitivity (respiratory disorders, cough, asthma). In the case of persons hypersensitive reactions may occur already at concentrations of isocyanate very low, even below the TLV value. In case of prolonged contact with the skin are possible irritant effects and dehydrating.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

110-19-0 isobutyl acetate	
EC50	370 mg/l (algae) (72 h)
	25 mg/l (daphnia)
LC50 (96h)	17 mg/l (Fish)
141-78-6 ethyl acetate	
EC50	165 mg/l (daphnia) (48 h)
LC50 (96h)	230 mg/l (Fish)

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1330-20-7 xylene

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

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)

100-41-4 ethylbenzene

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

26471-62-5 m-tolylidene diisocyanate

EC50	12.5 mg/l (daphnia) (48h)
LC50 (96h)	133 mg/l (Leuciscus idus melanotus)

- **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 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.
- **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.

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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
· 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:	
<hr style="border-top: 1px dotted #000;"/>	
· 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
<hr style="border-top: 1px dotted #000;"/>	
· 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

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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.

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.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

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)

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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
Acute Tox. 2: Acute toxicity . Category 2
Skin Irrit. 2: Skin corrosion/irritation . Category 2
Eye Irrit. 2: Serious eye damage/eye irritation . Category 2
Resp. Sens. 1: Respiratory sensitisation . Category 1
Skin Sens. 1: Skin sensitisation . Category 1
Carc. 2: Carcinogenicity . 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.**

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