

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

1.1 Product identifier

- Rt qf weveqfg TX21
- Vtcfg pco g< **POLYURETHANE HARDENER**
- 3040Tgqxcpxvlf gpvllgf wguqhvj g wduacpeg qt o kwvtg cpf wgu cf xkgf ci clpw
Painting product for coating and / or decoration of manufactured articles.
- Crrntecvqp qhvj g wduacpeg Iyj g o kwvtg 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

- EncuHecvqp ceeqtf lpi vj Tgi wrvqp *GE+Pq 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.

Repr. 2 H361d Suspected of damaging the unborn child.

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

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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

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 ceeqtf lpi vj Tgi wrvqp *GE+Pq 3494H22:

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

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· J c / c t f r l e v i t c o u



ÖPÜEG ÖPÜĒ ÖPÜĒ

· U i p c n y q t f Danger

· J c / c t f / f g v g t o k p l p i e q o r a p p w u q h r d g n l p i <
Aromatic polyisocyanate
toluene

ethyl acetate
4,4'-methylenediphenyl diisocyanate

· J c / c t f u e v g o g p w

- H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.
H336 May cause drowsiness or dizziness.
H373 May cause damage to the central nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Oral and Inhalation.
H304 May be fatal if swallowed and enters airways.

· R t g e c w l a p c t { u e v g o g p w

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P260 Do not breathe vapours.
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.

· C f f k l a p c n l p l q t o c v l a p <

EUH204 Contains isocyanates. May produce an allergic reaction.

· **2.3 Other hazards**

· T g u w u q h R D V c p f x R x D c u g u o g p v

- RDV < Not applicable.
- xRxD < Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· F g u e t l r v l a p < Mixture: consisting of the following components.

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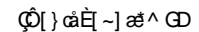
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· Fcpi gtqweqo r qpgpuk		
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	30-49.99%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-XXXX	n-butyl acetate  Flam. Liq. 3, H226  STOT SE 3, H336	20-24.99%
CAS: 9017-01-0	Aromatic polyisocyanate  Eye Irrit. 2, H319; Skin Sens. 1, H317	15-19.99%
CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-XXXX	toluene  Flam. Liq. 2, H225  Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304  Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336 Aquatic Chronic 3, H412	12.5-15%
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	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: 53317-61-6	Aromatic polyisocyanate  Eye Irrit. 2, H319; Skin Sens. 1, H317	1-2.49%
CAS: 101-68-8 EINECS: 202-966-0 Reg.nr.: 01-2119457014-47-XXXX	4,4'-methylenediphenyl diisocyanate  Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373  Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	≥0.5-<1%

· Cfj lqpcnqlqto c vqap <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 cnlqlqto c vqap <

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 lqj c vqap <

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

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

· Chgt unlp eqpwev <

Remove contaminated clothing.

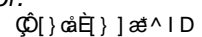
Immediately wash with water and soap, or a recognized skin cleanser, and rinse thoroughly.

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 gfg eqpwev <

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



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- *Chgt uy cmgy lpi <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**
· *Uwkc dng gz vpi wuj lpi ci gpv<Alcohol resistant foam, CO, powder, water spray/mist.*
· *Hgt uchgv tgcuppu wpuwkc dng gz vpi wuj lpi ci gpv<*
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.
· *Rt qyevkxg 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 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.
Open and handle receptacle with care.
Prevent formation of aerosols.
Protect against electrostatic charges.
Keep respiratory protective device available.
Use explosion-proof apparatus / fittings and spark-proof tools.
· *Iphto cvkp cdqwhhg / cpf gznqvkqp rtqyevkqp<*
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

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Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities

· Uqtcig<

· Tgs wktgo gpvuy dg o gvd{ wqtgtqo ucpf tgegrweng<

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.

· Kplqto cvkqp cdqwwuqtcig lp qpg eqo o qp wqtcig hcekw< Not required.

· Hwtvj gt kplqto cvkqp cdqwwuqtcig eqpf kwkqp<

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

· Cff kwkpcnkplqto cvkqp cdqwwfguli p qhvgej ptecnkcekw< No further data; see item 7.

8.1 Control parameters

· Kpi tgf lgpvuy kj nio lxcnwguvj cvtgs wktgo qpkqt lpi cvvj gy qtrneg<

141-78-6 ethyl acetate (30-49.99%)WEL Short-term value: 1468 mg/m , 400 ppm
Long-term value: 734 mg/m , 200 ppm**123-86-4 n-butyl acetate (20-24.99%)**WEL Short-term value: 966 mg/m , 200 ppm
Long-term value: 724 mg/m , 150 ppm**78-93-3 butanone (5-9.99%)**WEL Short-term value: 899 mg/m , 300 ppm
Long-term value: 600 mg/m , 200 ppm
Sk, BMGV**101-68-8 4,4'-methylenediphenyl diisocyanate (≥0.5-<1%)**WEL Short-term value: 0.07 mg/m
Long-term value: 0.02 mg/m
Sen; as -NCO**26471-62-5 m-tolyldiene diisocyanate (<0.1%)**WEL Short-term value: 0.07 mg/m
Long-term value: 0.02 mg/m
Sen; as -NCO**4083-64-1 4-isocyanatesulphonyltoluene (<0.1%)**WEL Short-term value: 0.07 mg/m
Long-term value: 0.02 mg/m
Sen; as -NCO

· FPGNu

141-78-6 ethyl acetate

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

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Inhalative	DNEL acuto/agudo/ostre/aigu/acute/ akut	1,468 mg/mc (Workers) 734 mg/mc (population)
	DNEL	734 mg/mc (Workers) 367 mg/mc (population)
Irritation of skin	DNEL	63 mg/kg bw/d (Workers) 37 mg/kg bw/d (population)
123-86-4 n-butyl acetate		
Oral	DNEL	2 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	11 mg/kg bw/d (Workers) 6 mg/kg bw/d (population)
	DNEL	11 mg/kg bw/d (Workers) 6 mg/kg bw/d (population)
108-88-3 toluene		
Inhalative	DNEL acuto/agudo/ostre/aigu/acute/ akut	384 mg/mc (Workers)
	DNEL	192 mg/mc (Workers)
Irritation of skin	DNEL	384 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)
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)
101-68-8 4,4'-methylenediphenyl diisocyanate		
Inhalative	DNEL acuto/agudo/ostre/aigu/acute/ akut	0.1 mg/mc (Workers) (effetti sistemici)
	DNEL	0.05 mg/mc (Workers) (effetti sistemici)
Irritation of skin	DNEL acuto/agudo/ostre/aigu/acute/ akut	50 mg/kg bw/d (Workers) (effetti sistemici)
· RPGEu		
141-78-6 ethyl acetate		
PNEC Acqua dolce/water/woda sľodka/eau/agua/		0.24 mg/L ()
PNEC Suolo/earth/suelo/ /		0.148 mg/kg ()
123-86-4 n-butyl acetate		
PNEC Acqua dolce/water/woda sľodka/eau/agua/		0.18 mg/L ()
PNEC Suolo/earth/suelo/ /		0.0903 mg/kg ()

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108-88-3 toluene

PNEC Acqua dolce/water/woda słodka/eau/agua/水	0.68 mg/L ()
PNEC Suolo/earth/suelo/ /地面	2.89 mg/kg ()

78-93-3 butanone

PNEC Acqua dolce/water/woda słodka/eau/agua/水	55.8 mg/L ()
PNEC Suolo/earth/suelo/ /地面	22.5 mg/kg ()

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

PNEC Acqua dolce/water/woda słodka/eau/agua/水	0.635 mg/L ()
PNEC Suolo/earth/suelo/ /地面	0.29 mg/kg ()

101-68-8 4,4'-methylenediphenyl diisocyanate

PNEC Acqua dolce/water/woda słodka/eau/agua/水	1 mg/L ()
PNEC Suolo/earth/suelo/ /地面	1 mg/kg ()

· *İpi tgf lgpuy kj dkiqi kcniko lxcnwgk***78-93-3 butanone (5-9.99%)**

BMGV	70 µmol/L
	Medium: urine
	Sampling time: post shift
	Parameter: butan-2-one

101-68-8 4,4'-methylenediphenyl diisocyanate (≥0.5-<1%)

BMGV	1 µmol creatinine/mol
	Medium: urine
	Sampling time: At the end of the period od exposure
	Parameter: isocyanate-derived diamine

· *Cffklqpcnlphto cvkqp* < The lists valid during the making were used as basis.**8.2 Exposure controls**· *Rgtuqpcnrtqgevkg gs wko gpv*· *I gpgtcnrtqgevkg cpf j {i lqple o gcwmgk*

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.

Pregnant women should strictly avoid inhalation or skin contact.

· *Tgur kcvqt { rtqgevkgp* <

Short term filter device:

Filter AX



Suitable respiratory protective device recommended. (EN140)

· *Rtqgevkgp 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.

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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

- *O cvgtknqhi nqngu*

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.

- *Rppgtcvqpp vto g qhi nqng o cvgtkn*

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

- *G{g rtqgevqpp <*



Glasses (EN166) or other protective equipment

SECTION 9: Physical and chemical properties

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

- *I gpgtcnkpqto cvqpp*

- *Crrgctcpeg <*

- *Hqto <*

Fluid

- *Eqvqwt <*

According to product specification

- *Qf qwt <*

Characteristic

- *Qf qwt vj tguj qif <*

Not determined.

- *rJ /xcwng <*

Not determined.

- *Ej cpi g kp eqpfkqpp*

- *Ognkpi rqlpvltgg/kpi rqlpv <*

Undetermined.

- *Kpkkndqktpi rqlpvcpf dqktpi tcpi g <*

77 °C

- *Hrcuj rqlpv <*

-4 °C

- *Hvo o cdkkly *uqily. i cu <*

Not applicable.

- *Kpkkqpp vgo rgtcwtg <*

315 °C

- *Fgeqo rqukqpp vgo rgtcwtg <*

Not determined.

- *Cwq/li pkkqpp vgo rgtcwtg <*

Product is not selfigniting.

- *Gzrqukxg rtqr gvku <*

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

- *Gzrqukqpp ilo kv <*

- *Nqy gt <*

1.2 Vol %

- *Wrr gt <*

11.5 Vol %

- *Xcrqwt rtguwtg cv42 °C:*

105 hPa

- *Density at 20 °C:*

0.963 g/cm

- *Relative density*

Not determined.

- *Vapour density*

Not determined.

- *Evaporation rate*

Not determined.

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· Solubility in / Miscibility with · water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: · Dynamic: · Kinematic at 20 °C:	Not determined. 29 s (ISO 3 mm)
· Oxidising properties :	N.A.
· Solvent content: · VOC and Total VOC (organic solvents + reactive solvents if any)	76.50 %
· VOC (EC)	736.7 g/l
· Solids content:	23.4 %
· 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 and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Reacts with strong acids and 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:**

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)
	LC0	22.6 ppm (mouse)

123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (mouse)
Dermal	LD50	14,000 mg/kg (rabbit)
Inhalative	LC50/4 h	21.1 mg/l (mouse)

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9017-01-0 Aromatic polyisocyanate		
Oral	LD50	2,001 mg/kg (mouse) (OECD TG 423) <i>Esami tossicologici su un prodotto compatibile</i>
108-88-3 toluene		
Oral	LD50	5,000 mg/kg (mouse)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	25.7 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)
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)
53317-61-6 Aromatic polyisocyanate		
Oral	LD50	5,001 mg/kg (mouse)
101-68-8 4,4'-methylenediphenyl diisocyanate		
Oral	LD50	2,001 mg/kg (mouse)
Dermal	LD50	9,401 mg/kg (rabbit)
Inhalative	LC50/4h.	0.368 mg/l (mouse)

- **Primary irritant effect:**

- **Skin corrosion/irritation**
Causes skin irritation.
- **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.

- **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**
Suspected of damaging the unborn child.

- **STOT-single exposure**

- May cause drowsiness or dizziness.

- **STOT-repeated exposure**

- May cause damage to the central nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Oral and Inhalation.

- **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.

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SECTION 12: Ecological information

· 12.1 Toxicity

· <i>Aquatic toxicity:</i>	
141-78-6 ethyl acetate	
EC50	165 mg/l (daphnia) (48 h)
LC50 (96h)	230 mg/l (Fish)
123-86-4 n-butyl acetate	
EC50	397 mg/l (algae) (72 h)
	44 mg/l (daphnia) (48 h)
LC50 (96h)	18 mg/l (Fish)
108-88-3 toluene	
EC50	134 mg/l (algae) (96 h)
	3.78 mg/l (daphnia) (48 h)
LC50 (96h)	5.5 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)
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)
101-68-8 4,4'-methylenediphenyl diisocyanate	
EC50	1,001 mg/l (daphnia) (24 h)
LC50 (96h)	1,001 mg/l (Fish) (96 h)

· 12.2 Persistence and degradability

Data refers to the substance Toluene CAS No. 108-88-3

Readily biodegradable (according to OECD criteria and/or EU RAR)

· 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.

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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

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA 	UN1263
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, IMDG, IATA 	PAINT
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG, IATA 	<div style="text-align: center;">  </div> <ul style="list-style-type: none"> · Class · Label
<ul style="list-style-type: none"> · Class · Label 	3 Flammable liquids. 3
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	II
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category 	Warning: Flammable liquids. 33 F-E, S-E B
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) 	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> · Transport category · Tunnel restriction code 	2 D/E
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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· 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

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 48, 56a

· *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.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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.

H361d Suspected of damaging the unborn child.

H373 May cause damage to the central nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Oral and 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)

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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

Resp. Sens. 1: Respiratory sensitisation . Category 1

Skin Sens. 1: Skin sensitisation . Category 1

Carc. 2: Carcinogenicity . Category 2

Repr. 2: Reproductive toxicity . 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.**