

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

- *Ít qf weveqf g* TX76
- *Átcf g pco g* <**YELLOWING RESISTANT PU HARDENER**
- *3040Tgqxcpvlf gpvllgf wgu qhv j g wduxpeg qt o kwvt g cpf wgu cf xkgf ci clpw*
Painting product for coating and / or decoration of manufactured articles.
- *Crrñecvqpp qhv j g wduxpeg l v j g o kwvt g* 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

· *Encuññecvqpp ceeqtf lpi v j Tgi wrcvqpp* *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.

 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 ceeqtf lpi v j Tgi wrcvqpp* *GE+Pq 3494H22:
The product is classified and labelled according to the CLP regulation.

· *J c|ctf r lqv i tco u*



· *Ui pcny qtf* Danger

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Revision: 15.01.2020

Product code TX76**Trade name: NON-YELLOWING PU HARDENER**

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· J c|ctf/fvgto klpí eqo r qpgpw qhrcdgnípi <

Polyisocyanate HDI/TDI

n-butyl acetate

m-tolyldiene diisocyanate

Homopolymers of HDI

hexamethylene diisocyanate

· J c|ctf ucvgogpw

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.

· Rtgecwíapct{ ucvgogpw

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.

P261

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

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P284

[In case of inadequate ventilation] wear respiratory 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.

Remove contact lenses, if present and easy to do. Continue rinsing.

P342+P311

If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P405

Store locked up.

P501

Dispose of contents/container in accordance with local.

· Cffkíapcnkíqto cwkq<

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

· TgwmuqhRDV cpf xRxD cuquogpv

· RDV<Not applicable.

· xRxD<Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

· Fguetkíq<Mixture: consisting of the following components.

· Fcpi gíqwu eqo r qpgpw<

| | | |
|--|--|-----------|
| 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 | 30-49.99% |
| CAS: 26426-91-5 | Polyisocyanate HDI/TDI ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317 | 25-29.99% |
| 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 | 12.5-15% |

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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

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.

· Kplqto cvkqp cdqwwkkg / cpf gznqkqp rtqvgevkqp<

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

· Uqtcig<

· Tgs wktgo gpwuvj dg o gvd{ wqtgtqo 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.

· Kplqto cvkqp cdqwwuqtcig kp qpg eqo o qp uqtcig hckkltv< Not required.

· Hwtvj gt kplqto cvkqp cdqwwuqtcig eqpfkqkqp<

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

· Cffkqkqpnkplqto cvkqp cdqwwfgukip qhvgej ptecnkckkltv< No further data; see item 7.

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· 8.1 Control parameters

| | |
|--|--|
| <i>· ĩpi tgf ĩpıuy ĩj ĩo ĩxcıguıj cvtgs wĩtg o qpkqt ĩpi cvıj gı qımrıeg<</i> | |
| 123-86-4 n-butyl acetate (30-49.99%) | |
| WEL | Short-term value: 966 mg/m , 200 ppm Long-term value: 724 mg/m , 150 ppm |
| 141-78-6 ethyl acetate (12.5-15%) | |
| WEL | Short-term value: 1468 mg/m , 400 ppm Long-term value: 734 mg/m , 200 ppm |
| 26471-62-5 m-tolyldiene diisocyanate (≥0.1-<0.5%) | |
| WEL | Short-term value: 0.07 mg/m Long-term value: 0.02 mg/m Sen; as -NCO |

· FPGNu

| | | |
|---|--|---|
| 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) |
| 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) |
| | 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) |
| Homopolymers of HDI | | |
| Inhalative | DNEL acuto/agudo/ostre/aigu/acute/akut | 1 mg/mc (Workers) |
| | DNEL | 0.5 mg/mc (Workers) |
| 822-06-0 hexamethylene diisocyanate | | |
| Inhalative | DNEL acuto/agudo/ostre/aigu/acute/akut | 0.07 mg/mc (Workers) |
| | DNEL | 0.035 mg/mc (Workers) |
| 26471-62-5 m-tolyldiene diisocyanate | | |
| Inhalative | DNEL acuto/agudo/ostre/aigu/acute/akut | 0.14 mg/mc (Workers) |
| | DNEL | 0.035 mg/mc (Workers) |

· RPGEu

| | |
|--|---------------|
| 123-86-4 n-butyl acetate | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/ | 0.18 mg/L (-) |

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| | |
|---|------------------|
| PNEC Suolo/earth/suelo/ / | 0.0903 mg/kg () |
| 141-78-6 ethyl acetate | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/水 | 0.24 mg/L () |
| PNEC Suolo/earth/suelo/ / | 0.148 mg/kg () |
| 822-06-0 hexamethylene diisocyanate | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/水 | 75 mg/L () |
| PNEC Suolo/earth/suelo/ / | 0.0027 mg/kg () |
| 26471-62-5 m-tolylidene diisocyanate | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/水 | 0.013 mg/L () |
| PNEC Suolo/earth/suelo/ / | 1.1 mg/kg () |

· Cffkktqpcnkphqto cvkqp < The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Rgtuqpcnrtqvgevkxg gs wlr o gpv<

· I gpgtcnrtqvgevkxg cpf j {i kpkle o gcwvt gu<

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.

· Tgur kcvqt { rtqvgevkqp <

Short term filter device:

Filter AX



Suitable respiratory protective device recommended. (EN140)

· Rtqvgevkqp qhj cpf u<



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

· O cvgtlc nqhi 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.

· Rpgvvcvkqp wo g qhi npxg o cvgtlc n

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

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· G{g r t q v e w t q p <



Glasses (EN166) or other protective equipment

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· I g p g t c n k p h q t o c w k q p

· C r r g t c p e g <

· H q t o <

Fluid

· E q u q w t <

According to product specification

· Q f q w t <

Characteristic

· Q f q w t v j t g u j q i f <

Not determined.

· r J / x c m w g <

Not determined.

· E j c p i g h p e q p f k k q p

· O g n k p i r q k p v l t g g / h p i r q k p <

Undetermined.

· K p k e n d q k k p i r q k p v c p f d q k k p i t c p i g <

77 °C

· H r e u j r q k p <

-4 °C

· H r e o o c d k k k f * u q i k f . i c u k <

Not applicable.

· K p k k q p v g o r g t c w t g <

370 °C

· F e g e q o r q u k k q p v g o r g t c w t g <

Not determined.

· C w a q / k i p k k q p v g o r g t c w t g <

Product is not selfigniting.

· G z r i q u k x g r t q r g t v k u k <

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

· G z r i q u k q p i k o k u k <

· N q y g t <

1.2 Vol %

· W r r g t <

11.5 Vol %

· X c r q w t r t g u a m t g e v 4 2 ° C :

97 hPa

· Density at 20 °C:

1.015 g/cm

· Relative density

Not determined.

· Vapour density

Not determined.

· Evaporation rate

Not determined.

· Solubility in / Miscibility with

· water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water:

Not determined.

· Viscosity:

· Dynamic:

Not determined.

· Kinematic at 20 °C:

29 s (ISO 3 mm)

· Oxidising properties :

N.A.

· Solvent content:

· VOC and Total VOC

(organic solvents + reactive solvents if any) 58.91 %

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| | |
|-------------------------|--|
| · VOC (EC) | 598.0 g/l |
| · Solids content: | 40.9 % |
| · 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** 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:**

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) |

26426-91-5 Polyisocyanate HDI/TDI

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

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) |

Homopolymers of HDI

| | | |
|--------|------|----------------------|
| Oral | LD50 | 2,501 mg/kg (mouse) |
| Dermal | LD50 | 2,001 mg/kg (rabbit) |

822-06-0 hexamethylene diisocyanate

| | | |
|------------|----------|---------------------|
| Oral | LD50 | 738 mg/kg (mouse) |
| Dermal | LD50 | 7,001 mg/kg (mouse) |
| Inhalative | LC50/4 h | 0.124 mg/l (mouse) |

26471-62-5 m-tolyldiene diisocyanate

| | | |
|--------|------|----------------------|
| Oral | LD50 | 5,110 mg/kg (mouse) |
| Dermal | LD50 | 9,401 mg/kg (rabbit) |

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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** Based on available data, the classification criteria are not met.

· **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:**

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) |

141-78-6 ethyl acetate

| | |
|------------|---------------------------|
| EC50 | 165 mg/l (daphnia) (48 h) |
| LC50 (96h) | 230 mg/l (Fish) |

Homopolymers of HDI

| | |
|------------|---------------------------|
| EC50 | 1,001 mg/l (algae) (72 h) |
| | 127 mg/l (daphnia) (48 h) |
| LC50 (96h) | 100 mg/l (Fish) |

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822-06-0 hexamethylene diisocyanate

| | |
|------------|----------------------------|
| EC50 | 77.5 mg/l (algae) (72 h) |
| | 89.2 mg/l (daphnia) (48 h) |
| LC50 (96h) | 82.9 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 1 (German Regulation) (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.
- **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

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| | |
|--|---|
| · 14.4 Packing group · ADR, IMDG, IATA | II |
| · 14.5 Environmental hazards: · Marine pollutant: | No |
| · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category | Warning: Flammable liquids. 33 F-E, S-E 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) · Excepted quantities (EQ) | 5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| · Transport category · Tunnel restriction code | 2 D/E |
| · 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 |
| · 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.

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· **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.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- 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.
- 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. 1: Acute toxicity . Category 1
- Acute Tox. 2: Acute toxicity . Category 2
- Acute Tox. 4: Acute toxicity . Category 4
- Skin Corr. 1C: Skin corrosion/irritation . Category 1C
- 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
- 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.**