

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

1.1 Product identifier

· Product code TO9754

· Trade name: **DIAMANTE CLEAR TOP-COAT 25GL**

· 1.2. Relevant identified uses of the substance or mixture and uses advised against
 Paint and relative material only for wood

· Application of the substance / the mixture 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

· Further information obtainable from:

Environmental Health and safety office

hseoffice@ivmchemicals.com

1.4 Emergency telephone number:

From 8.30 to 17.30 0039 038 425 441

Out of the above mentioned hours, Saturdays and Sundays and during periods of closure for holidays please call: 0039 0384 254491

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225

Highly flammable liquid and vapour.



GHS08 health hazard

Repr. 2

H361d

Suspected of damaging the unborn child.

STOT RE 2 H373

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



GHS05 corrosion

Eye Dam. 1 H318

Causes serious eye damage.



GHS07

Skin Irrit. 2

H315

Causes skin irritation.

STOT SE 3

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

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

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· Hazard pictograms



GHS02 GHS05 GHS07 GHS08

· Signal word *Danger*

· Hazard-determining components of labelling:

xylene
 2-methylpropan-1-ol
 toluene
 butan-1-ol

· Hazard statements

H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H361d Suspected of damaging the unborn child.
 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
 H373 May cause damage to the hearing organs through prolonged or repeated exposure.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· Description: Mixture: consisting of the following components.

· Dangerous components:

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	20-24.9%
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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CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	5-9.99%
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%
CAS: 108-88-3 EINECS: 203-625-9	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	3-4.99%
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	1-2.49%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23-XXXX	2-methylpropan-1-ol ⚠ Flam. Liq. 3, H226 ⚠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-2.49%
CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38-XXXX	butan-1-ol ⚠ Flam. Liq. 3, H226 ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-2.49%

· *Additional information:* For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· *General information:*

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.

· *After inhalation:*

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

· *After skin contact:*

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. If medical advise is needed have products container or label at hand.

· *After eye contact:*

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

· *After swallowing:* 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

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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SECTION 5: Firefighting measures

· 5.1 Extinguishing media

- *Suitable extinguishing agents:* Alcohol resistant foam, CO, powder, water spray/mist.
- *For safety reasons unsuitable extinguishing agents:*
Do not use a jet water stream as it may scatter and spread fire.

· 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.

· *Protective equipment:*

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).
Use neutralising agent.
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.*

· *Information about fire - and explosion protection:*

*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

· *Storage:*

· *Requirements to be met by storerooms and receptacles:*

*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.

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In cases there is no reported deadline, it means that the product must be used within 8 months.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

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

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

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

141-78-6 ethyl acetate

WEL Short-term value: 400 ppm
 Long-term value: 200 ppm

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

WEL Short-term value: 548 mg/m , 100 ppm
 Long-term value: 274 mg/m , 50 ppm
 Sk

110-19-0 isobutyl acetate

WEL Short-term value: 903 mg/m , 187 ppm
 Long-term value: 724 mg/m , 150 ppm

100-41-4 ethylbenzene

WEL Short-term value: 552 mg/m , 125 ppm
 Long-term value: 441 mg/m , 100 ppm
 Sk

78-93-3 butanone

WEL Short-term value: 899 mg/m , 300 ppm
 Long-term value: 600 mg/m , 200 ppm
 Sk, BMGV

78-83-1 2-methylpropan-1-ol

WEL Short-term value: 231 mg/m , 75 ppm
 Long-term value: 154 mg/m , 50 ppm

71-36-3 butan-1-ol

WEL Short-term value: 154 mg/m , 50 ppm
 Sk

· **DNELs**

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)

141-78-6 ethyl acetate

Oral	DNEL	4.5 mg/kg bw/d (popolazione)
Inhalative	DNEL acuto/agudo/ostre/aigu/acute/akut	1468 mg/mc (Workers)
		734 mg/mc (popolazione)

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Safety data sheet

according to 1907/2006/EC, Article 31

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Irritation of skin	DNEL	734 mg/mc (Workers)
	DNEL	367 mg/mc (popolazione)
		63 mg/kg bw/d (Workers)
		37 mg/kg bw/d (popolazione)
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)
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)
108-88-3 toluene		
Inhalative	DNEL acuto/agudo/ostre/aigu/acute/akut	384 mg/mc (Workers)
	DNEL	192 mg/mc (Workers)
78-93-3 butanone		
Inhalative	DNEL	600 mg/mc (Workers)
Irritation of skin	DNEL	1161 mg/kg bw/d (Workers)
78-83-1 2-methylpropan-1-ol		
Inhalative	DNEL	310 mg/mc (Workers)

· PNECs

1330-20-7 xylene		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua		0.327 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/		2.31 mg/kg ()
141-78-6 ethyl acetate		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua		0.26 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/		0.24 mg/kg ()
108-65-6 2-methoxy-1-methylethyl acetate		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua		0.635 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/		0.29 mg/kg ()
100-41-4 ethylbenzene		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua		0.1 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/		2.68 mg/kg ()
108-88-3 toluene		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua		0.68 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/		2.89 mg/kg ()
78-93-3 butanone		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua		55.8 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/		22.5 mg/kg ()
78-83-1 2-methylpropan-1-ol		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua		0.4 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/		0.0699 mg/kg ()

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· **Ingredients with biological limit values:**

1330-20-7 xylene

BMGV 650 mmol/mol creatinine
 Medium: urine
 Sampling time: post shift
 Parameter: methyl hippuric acid

78-93-3 butanone

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

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.
- Pregnant women should strictly avoid inhalation or skin contact.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



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

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

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

· **Eye protection:**



Tightly sealed goggles (EN166)

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:

Fluid

· Colour:

According to product specification

· Odour:

Characteristic

· Odour threshold:

Not determined.

· pH-value:

Not determined.

· Change in condition

· Melting point/Melting range:

Undetermined.

· Boiling point/Boiling range:

77 °C

· Flash point:

-4 °C

· Flammability (solid, gaseous):

Not applicable.

· Ignition temperature:

315 °C

· Decomposition temperature:

Not determined.

· Self-igniting:

Product is not selfigniting.

· Danger of explosion:

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

· Explosion limits:

· Lower:

1.0 Vol %

· Upper:

12.0 Vol %

· Vapour pressure at 20 °C:

105 hPa

· Density at 20 °C:

0.955 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:

25 s (ISO 6 mm)

· Oxidising properties :

N.A.

· Solvent content:

· VOC and Total VOC

(organic solvents + reactive solvents if any) 64.98 %

· VOC (EC)

620.7 g/l

· Solids content:

35.0 %

· 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 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:**

1330-20-7 xylene

Oral	LD50	3523 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	1701 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)

141-78-6 ethyl acetate

Oral	LD50	4934 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)
Dermal	LD50	20001 mg/kg (Con)
Inhalative	LC50/4 h	1600 mg/l (rat/szczur/mouse/souris/Maus/ratón)
	LC0	22.6 ppm (mouse)

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

Oral	LD50	8532 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	5001 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)
Inhalative	LC50/4 h	35.7 mg/l (rat/szczur/mouse/souris/Maus/ratón)

100-41-4 ethylbenzene

Oral	LD50	3500 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	15486 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)
Inhalative	LC50/4 h	17.2 mg/l (rat/szczur/mouse/souris/Maus/ratón)

108-88-3 toluene

Oral	LD50	5000 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	12124 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)
Inhalative	LC50/4 h	25.7 mg/l (rat/szczur/mouse/souris/Maus/ratón)

78-93-3 butanone

Oral	LD50	2001 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	5001 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)
Inhalative	LC50	21 mg/l (rat/szczur/mouse/souris/Maus/ratón)

78-83-1 2-methylpropan-1-ol

Oral	LD50	2460 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	3400 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)
Inhalative	LC50	18.2 mg/l (rat/szczur/mouse/souris/Maus/ratón) (6 h)

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71-36-3 butan-1-ol

Oral	LD50	790 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	3400 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)
Inhalative	LC50/4 h	8000 mg/l (rat/szczur/mouse/souris/Maus/ratón)

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

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****141-78-6 ethyl acetate**

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

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

EC50	1001 mg/l (algae) (72 h)
	501 mg/l (daphnia) (48 h)
LC50 (96h)	134 mg/l (Fish)

100-41-4 ethylbenzene

EC50	75 mg/l (daphnia) (48 h)
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108-88-3 toluene

EC50	134 mg/l (algae) (3 h)
	3.78 mg/l (daphnia) (48 h)
	58 mg/l (Fish)

78-93-3 butanone

EC50	2029 mg/l (algae) (96 h)
	308 mg/l (daphnia) (48 h)
LC50 (96h)	2993 mg/l (Fish)

78-83-1 2-methylpropan-1-ol

EC50	1799 mg/l (algae) (72 h)
	1100 mg/l (daphnia) (48 h)
LC50 (96h)	1430 mg/l (Fish)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.

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- **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.
 - Must not reach sewage water or drainage ditch undiluted or unneutralised.
 - 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.

SECTION 14: Transport information

- **14.1 UN-Number**
 - **ADR, IMDG, IATA** UN1263
- **14.2 UN proper shipping name**
 - **ADR** UN1263 PAINT, special provision 640D
 - **IMDG** PAINT
 - **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

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· **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, SPECIAL PROVISION 640D, 3, II

SECTION 15: Regulatory information

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

Directive 96/82/EC

Flammable

Limit 1: 5000 t

Limit 2: 50000 t

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

· **Various regulations** For uses not regulated by Directive 2004/42/EC-For professional use only

· **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.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

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- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to the hearing organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

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

- **Contact:** Carlo Porta

- **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, Hazard Category 2
- Flam. Liq. 3: Flammable liquids, Hazard Category 3
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- Repr. 2: Reproductive toxicity, Hazard Category 2
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

- **Sources**

- Directive 1999/45/EC and following amendments
- Directive 67/548/EEC and following amendments and adjustments
- Agency ECHA web site
- INRS Fiche Toxicologique

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