

Printing date 02/12/2024 Version number 202

Reviewed on 02/02/2024

1 Identification

- · Product identifier
 - · Product number TX75
 - · Trade name: NON-YELLOWING PU HARDENER
 - · Application of the substance / the mixture For professional use
- · 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

· Information department:

Environmental Health and safety office

hseoffice@ivmchemicals.com

· Emergency telephone number:

ChemTel Expert Assistance Hotline/SDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

2 Hazard(s) identification

· Classification of the substance or mixture

Flammable Liquids 2 H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. Eye Irritation 2A

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer. Carcinogenicity 2

Specific Target Organ Toxicity - Single Exposure 3H336 May cause drowsiness or dizziness.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms







GHS02 GHS07

GHS08

- · Signal word Danger
- · Hazard-determining components of labeling:

Polyisocyanate HDI/TDI

n-butyl acetate

ethylbenzene

HDI Homopolymer

hexamethylene diisocyanate

· Hazard statements

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H336 May cause drowsiness or dizziness.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

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.

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P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/

international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2Fire = 3Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2
 Fire = 3
 Reactivity = 0

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture: consisting of the following components.

122-86-4	n-butyl acetate	40-49.99%
Flammable Liquids 3, H226 Specific Target Organ Toxicity - Single Exposure 3, H336		
26426-91-5	Polyisocyanate HDI/TDI	25-29.99%
141-78-6	141-78-6 ethyl acetate Flammable Liquids 2, H225 Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	
108-65-6	2-methoxy-1-methylethyl acetate Flammable Liquids 3, H226 Specific Target Organ Toxicity - Single Exposure 3, H336	5-9.99%
28182-81-2	HDI Homopolymer ♦ Acute Toxicity - Inhalation 4, H332; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335	5-9.99%
1330-20-7	xylene ♠ Flammable Liquids 3, H226 ♠ Specific Target Organ Toxicity - Repeated Exposure 2, H373; Aspiration Hazard 1, H304 ♠ Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335 Aquatic Acute 3, H402; Aquatic Chronic 3, H412	0.5-1%

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100-41-4	ethylbenzene	≥0.1-<0.5%
	 Flammable Liquids 2, H225 Carcinogenicity 2, H351; Specific Target Organ Toxicity - Repeated Exposure 2, H373; Aspiration Hazard 1, H304 Acute Toxicity - Inhalation 4, H332 Aquatic Chronic 3, H412 	
822-06-0	hexamethylene diisocyanate	≥0.1-<0.5%
	 Acute Toxicity - Inhalation 1, H330 Sensitization - Respiratory 1, H334 Acute Toxicity - Oral 4, H302; Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335 	
26471-62-5	m-tolylidene diisocyanate	<0.1%
	Acute Toxicity - Inhalation 1, H330 Sensitization - Respiratory 1, H334; Carcinogenicity 2, H351 Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335 Aquatic Chronic 3, H412	

4 First-aid measures

· 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.

personal protective equipment for first aid responders is recommended. (please see section 8)

 \cdot After inhalation:

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

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

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eve contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: Do not induce vomiting; immediately call for medical help.
- · Information for doctor:
 - · Most important symptoms and effects, both acute and delayed Allergic reactions

For symptoms and effects caused by substances, refer to Section 11.

· Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

· Extinguishing media

· Suitable extinguishing agents:

Alcohol resistant foam

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.

· Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Nitrogen oxides (NOx)

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Carbon monoxide (CO)

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 respiratory protective device.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 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 Section 13.

Ensure adequate ventilation.

· 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.

· Protective Action Criteria for Chemicals

· PAC-1:		
123-86-4	n-butyl acetate	5 ppm
141-78-6	ethyl acetate	1,200 ppn
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
28182-81-2	HDI Homopolymer	7.8 mg/m
1330-20-7	xylene	130 ppm
100-41-4	ethylbenzene	33 ppm
822-06-0	hexamethylene diisocyanate	0.018 ppr
· PAC-2:		
123-86-4	n-butyl acetate	200 ppm
141-78-6 ethyl acetate		1,700 ppn
108-65-6 2-methoxy-1-methylethyl acetate		1,000 ppr
28182-81-2 HDI Homopolymer		86 mg/m³
1330-20-7 xylene		920* ppm
100-41-4	100-41-4 ethylbenzene	
822-06-0	hexamethylene diisocyanate	0.2 ppm
· PAC-3:		
123-86-4	n-butyl acetate	3000* ppm
141-78-6 ethyl acetate		10000** ppr
108-65-6	108-65-6 2-methoxy-1-methylethyl acetate	
28182-81-2	-2 HDI Homopolymer 510	
1330-20-7	xylene	2500* ppm
100-41-4	ethylbenzene	1800* ppm
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822-06-0 hexamethylene diisocyanate (Contd. of page 4) 3 ppm

7 Handling and storage

· Handling:

· 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 protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

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 not indicated, is from delivery date of goods.

In cases where there is no reported expiration date, 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 receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· Specific end use(s) Those typical of the product and the instructions in the data sheet if required.

8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters
 - Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

123-80	-4 n-butyl acetate		
PEL	Long-term value: 710 mg/m³, 150 ppm		
REL	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm		
TLV	Short-term value: 150 ppm Long-term value: 50 ppm		
141-78	B-6 ethyl acetate		
PEL	Long-term value: 1400 mg/m³, 400 ppm		
REL	Long-term value: 1400 mg/m³, 400 ppm		
TLV	Long-term value: 400 ppm		

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108-	(Contd. of p			
	L Long-term value: 50 ppm			
	330-20-7 xylene			
PEL				
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm			
TLV	Long-term value: 20 ppm BEI, A4			
100-	41-4 ethylbenzene			
PEL	Long-term value: 435 mg/m³, 100 ppm			
REL	Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm			
TLV	Long-term value: 20 ppm OTO, BEI, A3			
822-	06-0 hexamethylene diisocyanate			
REL	Long-term value: 0.035 mg/m³, 0.005 ppm Ceiling limit value: 0.14* mg/m³, 0.02* ppm *10-min			
TLV	Long-term value: 0.005 ppm BEI			
2647	1-62-5 m-tolylidene diisocyanate			
PEL	Ceiling limit value: 0.14 mg/m³, 0.02 ppm			
REL	LFC			
TLV	Short-term value: (0.14) NIC-0.021* mg/m³, (0.02) NIC-0.003* ppm Long-term value: (0.036) NIC-0.007* mg/m³, (0.005) NIC-0.001* ppm *(IFV) SEN; NIC-Skin; A3			
	 Regulatory information PEL: Guide to Occupational Exposure Values (OSHA PELs) REL: Guide to Occupational Exposure Values (NIOSH RELs) TLV: Guide to Occupational Exposure Values (TLV) WEEL: Guide to Occupational Exposure Values (AIHA WEELs) 			
	· Ingredients with biological limit values:			
1330	-20-7 xylene			
	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids			
100-	41-4 ethylbenzene			
BEI	0.15 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)			
	06-0 hexamethylene diisocyanate			
	15 μg/g creatinine Medium: urine Time: end of shift			
	Parameter: 1.6-Hexamethylene diamine with hydrolysis (nonspecific)			

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· Additional information: The lists that were valid during the creation were used as basis.

· 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 eyes and skin.

· Breathing equipment:

Short term filter device:



Suitable respiratory protective device recommended.

Filter A

· Protection of hands:



Protective gloves

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

The glove material has to be impermeable and resistant to the product.

· 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.

· Eve protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Color: According to product specification

Odor: CharacteristicOdor threshold: Not determined.

• pH-value: Mixture is non-polar/aprotic.

· Change in condition

Melting point/Melting range: Undetermined.
 Boiling point/Boiling range: 77 °C (170.6 °F)

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· Flash poi	nt:	-4 °C (24.8 °F)	
· Flammability (solid, gaseous): · Auto igniting:		Highly flammable.	
		315 °C (599 °F)	
· Decon	nposition temperature:	Not determined.	
· Danger o	f explosion:	Product is not explosive. However, air/vapor mixtures are possible.	formation of explos
· Explosion	ı limits:		
·Lower	:	1.2 Vol %	
· Upper	:	11.5 Vol %	
· Vapor pre	essure at 20 °C (68 °F):	97 hPa (72.8 mm Hg)	
· Vapor pre	essure at 50 °C (122 °F):	360 hPa (270 mm Hg)	
· Density (-	+/- 0,03) at 20 °C (68 °F):	0.998 g/cm³ (8.328 lbs/gal)	
· Relative density		Not determined.	
	density	Not determined.	
· Evaporation rate · Solubility in / Miscibility with		Not determined.	
· Water	-	Not miscible or difficult to mix.	
· Partition	coefficient (n-octanol/water	e): Not determined.	
· Viscosity:			
· Dynan		Not determined.	
	natic at 20 °C (68 °F):	29 s (ISO 3 mm)	
· Oxidising	properties:	N.A.	
· Solvent co			
· VOC a	content:	68.14 %	
		680.1 g/l / 5.68 lb/gal	
· Solids	content:	31.8 %	
	mation (HAPS)		
1330-20-7	•		0.5-1%
	ethylbenzene		≥0.1-<0.5
	hexamethylene diisocyan		≥0.1-<0.5
26471-62-5	m-tolylidene diisocyanate		<0.1%

10 Stability and reactivity

- · Reactivity typical of the product as indicated in the data sheet
- · 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.

Possibility of hazardous reactions

Reacts with oxidizing agents.

Vapours may form explosive mixtures with air

- · Conditions to avoid No further relevant information available.
- · Incompatible materials: Acids, alkalis and oxidizing agents
- · Hazardous decomposition products:

in case of possible formation of combustion:

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Carbon monoxide and carbon dioxide

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	on on toxicologica	l effects	
· Acute toxicity:			
· LD/LC50 values that are relevant for classification:			
-	te Toxicity Estima		
Inhalative	LC50/4 ore/h/saat	71.1 mg/l	
123-86-4 ı	n-butyl acetate		
Oral	LD50	10,760 mg/kg (mouse)	
Dermal	LD50	14,000 mg/kg (rabbit)	
Inhalative	LC50/4 ore/h/saat	21.1 mg/l (mouse)	
26426-91-	5 Polyisocyanate l	HDI/TDI	
Oral	LD50	5,001 mg/kg (mouse)	
141-78-6 e	ethyl acetate		
Oral	LD50	4,934 mg/kg (rabbit)	
Dermal	LD50	20,001 mg/kg (rabbit)	
Inhalative	LC50/4 ore/h/saat	1,600 mg/l (mouse)	
	LC0	22.6 ppm (mouse)	
108-65-6 2	2-methoxy-1-methy	lethyl acetate	
Oral	LD50	8,532 mg/kg (mouse)	
Dermal	LD50	5,001 mg/kg (rabbit)	
Inhalative	LC50/4 ore/h/saat	35.7 mg/l (mouse)	
28182-81-2 HDI Homopolymer			
Oral	LD50	2,501 mg/kg (mouse)	
Dermal	LD50	2,001 mg/kg (rabbit)	
1330-20-7	xylene		
Oral	LD50.	3,523 mg/kg (mouse)	
Dermal	LD50	1,100 mg/kg (rabbit) (ATE value)	
	LD50.	12,126 mg/kg (rabbit)	
Inhalative	LC50/4 ore/h/saat	11 mg/l (mouse) (ATE value)	
	LC50/4 ore/h/saat.	27.571 mg/l (mouse)	
100-41-4	ethylbenzene		
Oral	LD50	3,500 mg/kg (mouse)	
Dermal	LD50	15,486 mg/kg (rabbit)	
Inhalative	LC50/4 ore/h/saat	17.2 mg/l (mouse)	
822-06-0 I	nexamethylene diis	socyanate	
Oral	LD50	738 mg/kg (mouse)	
Dermal	LD50	7,001 mg/kg (rabbit)	
Inhalative	LC50/4 ore/h/saat	0.124 mg/l (mouse)	
26471-62-	5 m-tolylidene diis	ocyanate	
Oral	LD50	5,110 mg/kg (mouse)	
Dermal	LD50	9,401 mg/kg (rabbit)	



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Inhalative LC50/4 ore/h/saat 0.107 mg/l (mouse)

- · Primary irritant effect:
 - · on the skin: No irritant effect.
 - · on the eye: Irritating effect.
- Sensitization: Sensitization possible through skin contact.
- · Additional toxicological information:

Irritant

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of causing cancer.

May cause drowsiness or dizziness.

Contains isocyanates. See information supplied by the manufacturer.

As from 24 August 2023 adequate training is required before industrial or professional use.

· Carcinogenic categories

Ethylbenzene

From IARC MONOGRAPHS VOLUME 77/2000

Human carcinogenicity data

Two studies of workers potentially exposed to ethylbenzene in a production plant and a styrene polymerization plant were available. In the first study, no excess of cancer incidence was found but the description of methods was insufficient to allow proper evaluation of this finding. In the second study, no cancer mortality excess was observed during the follow-up of 15 years.

Evaluation

There is inadequate evidence in humans for the carcinogenicity of ethylbenzene. There is sufficient evidence in experimental animals for the carcinogenicity of ethylbenzene.

· IARC (International Agency for Research on Cancer - Cl. 1 and 2)				
100-41-4	ethylbenzene		2B	
26471-62-5	m-tolylidene diisocyanate		2B	
·NT	P (National Toxicology Program)			
26471-62-5	m-tolylidene diisocyanate	<0.	.1%	
· OSHA-Ca (Occupational Safety & Health Administration)				
None of the ingredients is listed.				

· Sensitisation

Hexamethylene-1,6-diisocyanate

Skin sensitization according to Magnusson / Klingmann (maximization test): guinea pig positive Result

Method OECD TG 406

Respiratory sensitization guinea pig

May cause sensitization by inhalation

Monomers / polymers isocyanate

Particular characteristics / effects; prolonged exposure may irritate the eyes, nose, throat and respiratory tract.

Isocyanate exposure may result in the delayed appearance of respiratory disorders, cough or asthma. Sensitive individuals may show exposure symptoms to isocyanates below workplace TLV values. Prolonged skin contact may result cause irritation and dehydration.



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Toxicity		
· Aquatic toxicity:		
123-86-4 n-butyl acetate		
EC50	397 mg/l (algae) (72 h)	
	44 mg/l (daphnia) (48 h)	
LC50 (96 ore/h/saat)	18 mg/l (Fish)	
141-78-6 ethyl aceta	ite	
EC50	165 mg/l (daphnia) (48 h)	
LC50 (96 ore/h/saat)	230 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 (96 ore/h/saat)	134 mg/l (Fish)	
28182-81-2 HDI Hom	nopolymer	
EC50	1,001 mg/l (algae) (72 h)	
	127 mg/l (daphnia) (48 h)	
LC50 (96 ore/h/saat)	100 mg/l (Fish)	
1330-20-7 xylene		
EC50	2.2 mg/l (algae)	
LC50 (48 ore/h/saat)	1 mg/l (daphnia)	
LC50 (96 ore/h/saat)	2.6 mg/l (Fish)	
100-41-4 ethylbenze	ene	
EC50	438 mg/l (algae) (72h)	
	1.8 mg/l (daphnia) (48 h)	
LC50 (96 ore/h/saat)	12.1 mg/l (Fish)	
822-06-0 hexamethy	rlene diisocyanate	
EC50	77.5 mg/l (algae) (72 h)	
	89.2 mg/l (daphnia) (48 h)	
LC50 (96 ore/h/saat)	82.9 mg/l (Fish)	
26471-62-5 m-tolylic	lene diisocyanate	
EC50	12.5 mg/l (daphnia) (48h)	
LC50 (96 ore/h/saat)	133 mg/l (Leuciscus idus melanotus)	
Persistence and dec	gradability No further relevant information available.	
· Substances Easily b	piodegradable	
123-86-4 n-butyl ac	etate .	
141-78-6 ethyl acet	tate .	
108-65-6 2-methox	y-1-methylethyl acetate .	
1330-20-7 xylene		



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· Behavior in environmental systems:

Γ	· Bioaccu	cumulative potential			
	123-86-4	n-butyl acetat	fe	Coefficiente di ripartizione n-ottanolo/acqua (Log Kow): 2,3	
	141-78-6	ethyl acetate		Coefficiente di ripartizione n-ottanolo/acqua (Log Kow): 0,68	
	108-65-6	2-methoxy-1-methylethyl acetate		Coefficiente di ripartizione n-ottanolo/acqua (Log Kow): 1,2	
	1330-20-7	xylene		Coefficiente di ripartizione n-ottanolo/acqua (Log Kow): 3,12	
Ī	· Mobility in soil				
Г	141-78-6	8-6 ethyl acetate Basso potenziale o		i adsorbimento nel suolo	
	1330-20-7	xylene	Koc = 246 – 540		

Additional ecological information:

· General notes:

Water hazard class 1 (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.

· Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Hand over to hazardous waste disposers.

Dispose of contents and container in accordance with local state and federal regulations.

· Uncleaned packagings:

· Recommendation: Disposal must be made according to official regulations.

14 Transport information

· UN-Number · DOT, IMDG, IATA	UN1263
· Note	Check viscosity and flash point at section 9
UN proper shipping name	
$\cdot DOT$	Paint
· IMDG, IATA	PAINT
Tuesday out homewal along/an)	

· Transport hazard class(es)

 $\cdot DOT$



· Class 3 Flammable liquids

· Label

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· Class

· Label

3 Flammable liquids

· IMDG, IATA



3 Flammable liquids · Class 3

· Label

· Packing group

· DOT, IMDG, IATA II

· Environmental hazards:

· Marine pollutant: No

· Special precautions for user Warning: Flammable liquids

· Hazard identification number (Kemler code): 33

· EMS Number: F-E,S-E · Stowage Category

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· IMDG

5L · Limited quantities (LQ)

Code: E2 · Excepted quantities (EQ) Maximum net quantity per inner packaging: 30

Maximum net quantity per outer packaging:

500 ml

· UN "Model Regulation": UN 1263 PAINT, 3, II

15 Regulatory information

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

Requirements of Federal Register

- · Various regulations
 - · SARA

· Sec	· Section 355 (extremely hazardous substances):		
None of the	None of the ingredients is listed.		
· Sec	· Section 313 (Specific toxic chemical listings) :		
1330-20-7	xylene	0.5-1%	
100-41-4	ethylbenzene	≥0.1-<0.5%	
822-06-0	hexamethylene diisocyanate	≥0.1-<0.5%	
26471-62-5	m-tolylidene diisocyanate	<0.1%	
· TSCA	(Toxic Substances Control Act):		

All components have the value ACTIVE.

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Trade name: NON-YELLOWING PU HARDENER

		(C	ontd. o	of page 13)
$\cdot H_0$	zardous Air Pollutants			
1330-20-7	xylene			
100-41-4	ethylbenzene	_		
822-06-0	hexamethylene diisocyanate			
· Propo	sition 65			
· CI	nemicals known to cause cancer:			
100-41-4	ethylbenzene	*	≥0.1	-<0.5%
26471-62-5	m-tolylidene diisocyanate	*	<0.1%	
· CI	nemicals known to cause reproductive toxicity for females:			
70657-70-4 2-methoxypropyl acetate				<0.1%
· Cl	nemicals known to cause reproductive toxicity for males:			
None of the	ingredients is listed.			
· CI	nemicals known to cause developmental toxicity:			
None of the	ingredients is listed.			
· Carci	nogenic categories			
	PA (Environmental Protection Agency)	_		

$\cdot E$	· EPA (Environmental Protection Agency)						
1330-20-7	xylene	1	0.5-	1%			
100-41-4	ethylbenzene	D	≥0.1-<	:0.5%			
$\cdot T$	· TLV (Threshold Limit Value)						
1330-20-7				A4			
100-41-4	ethylbenzene			АЗ			
26471-62-5	m-tolylidene diisocyanate			(A4)			

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

- · Department issuing SDS: IVM Chemicals Srl
- · Contact: See emergency phone
 - · Date of preparation / last revision 02/12/2024
 - · Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health



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TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit

Flammable Liquids 2: Flammable liquids - Category 2 Flammable Liquids 3: Flammable liquids - Category 3 Acute Toxicity - Inhalation 1: Acute toxicity – Category 1 Acute Toxicity - Inhalation 1: Acute toxicity - Category 4
Skin Irritation 2: Skin corrosion/irritation - Category 2

Eye Irritation 2A: Serious eye damage/eye irritation - Category 2A

Sensitization - Respiratory 1: Respiratory sensitisation – Category 1 Sensitization - Skin 1: Skin sensitisation – Category 1 Carcinogenicity 2: Carcinogenicity - Category 2

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) - Category 3 Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) - Category 2

Aspiration Hazard 1: Aspiration hazard - Category 1

Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard - 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 IARC International agency for research on cancer

* * Data compared to the previous version altered.