

Printing date 08/15/2022 Version number 98 Reviewed on 07/21/2022

### 1 Identification

- · Product identifier
  - · Product number PZ347
  - · Trade name: VIOLET TINT. PASTE
    - · 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 3 H226 Flammable liquid and vapor.

Skin Irrititation 2 H315 Causes skin irritation.

Eye Irritation 2A H319 Causes serious eye irritation.
Carcinogenicity 2 H351 Suspected of causing cancer.

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

Specific Target Organ Toxicity - Repeated

Exposure 2

H373 May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Oral, Inhalation.

#### · Label elements

· GHS label elements

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

· Hazard pictograms







GHS02 GHS07

CHS07 CH

311002 011007 0110

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

xylene

ethylbenzene

n-butyl acetate

2-methoxy-1-methylethyl acetate

· Hazard statements

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

H336 May cause drowsiness or dizziness.

H373 May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Oral, Inhalation.

· Precautionary statements

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

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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.

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 = 2 Fire = 3 Reactivity = 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.

· Dangero	ous components:	
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 Irrititation 2, H315; Eye Irritation 2A, H319; Specific Target Organ     Toxicity - Single Exposure 3, H335 Aquatic Acute 3, H402; Aquatic Chronic 3, H412	12.5-15%
123-86-4	n-butyl acetate  Flammable Liquids 3, H226  Specific Target Organ Toxicity - Single Exposure 3, H336	12.5-15%
108-65-6	2-methoxy-1-methylethyl acetate  Tlammable Liquids 3, H226  Specific Target Organ Toxicity - Single Exposure 3, H336	5-9.99%
100-41-4	ethylbenzene  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	2.5-4.99%

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## 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)

· After inhalation:

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

· After skin contact:

Immediately wash with water and soap 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. 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
    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

During heating or in case of fire poisonous gases are produced.

In case of fire, the following can be released:

Nitrogen oxides (NOx)

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

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

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· 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:		
1330-20-7	xylene	130 ppm
123-86-4	n-butyl acetate	5 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
100-41-4	ethylbenzene	33 ppm
· PAC-2:		
1330-20-7	xylene	920* ppm
123-86-4	n-butyl acetate	200 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
100-41-4	ethylbenzene	1100* ppm
· PAC-3:		
1330-20-7	xylene	2500* ppm
123-86-4	n-butyl acetate	3000* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
100-41-4	ethylbenzene	1800* 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:

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.

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· 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 item 7.
- · Control parameters

	· Control parameters				
· Con	nponents with limit values that require monitoring at the workplace:				
1330-2	20-7 xylene				
PEL	Long-term value: 435 mg/m³, 100 ppm				
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm				
TLV	Short-term value: (150) ppm Long-term value: (100) NIC-20 ppm BEI, A4				
123-86	5-4 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				
108-65	-6 2-methoxy-1-methylethyl acetate				
WEEL	Long-term value: 50 ppm				
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 NIC-20 ppm BEI, A3, NIC: OTO, BEI, A3				

### · Ingredients with biological limit values:

## 1330-20-7 xylene

BEI 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)

· 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.

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· 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.

· Eye protection:



Tightly sealed goggles

## 9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form: Fluid

· 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: 124-128 °C (255.2-262.4 °F)

· Flash point: 25 °C (77 °F)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 315 °C (599 °F)

· Decomposition temperature: Not determined.

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· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product is not explosive. However, formation of exploair/vapor mixtures are possible.	osi
· Explosion limits:		
Lower:	1 Vol %	
$\cdot$ Upper:	10.8 Vol %	
· Vapor pressure at 20 °C (68 °F):	10.7 hPa (8 mm Hg)	
· Density (+/- 0,03) at 20 °C (68 °F):	1.044 g/cm³ (8.712 lbs/gal)	
· Relative density	Not determined.	
· Vapor 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 (68 °F):	25 s (ISO 6 mm)	
· Oxidising properties:	N.A.	
· Solvent content:		
· Water:	0.0 %	
· VOC content:	39.13 %	
	408.5 g/l / 3.41 lb/gal	
· Solids content:	60.9 %	
Other information (HAPS)		
1330-20-7 xylene	12.5-1	15%
100-41-4 ethylbenzene	2.5-4.	999
· Other information	No further relevant information available.	

# 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 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: No dangerous decomposition products known.

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# 11 Toxicological information

- · Information on toxicological effects
  - · Acute toxicity:

1100000	Acute touting.		
	· LD/LC50 values that are relevant for classification:		
ATE (Acu	ATE (Acute Toxicity Estimate)		
Dermal	LD50	7,375 mg/kg (rabbit)	
Inhalative	LC50/4 h	63.7 mg/l (mouse)	
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 h	11 mg/l (mouse) (ATE value)	
	LC50/4h.	27.571 mg/l (mouse)	
123-86-4	n-butyl ac	etate	
Oral	LD50	10,760 mg/kg (mouse)	
Dermal	LD50	14,000 mg/kg (rabbit)	
Inhalative	LC50/4 h	21.1 mg/l (mouse)	
108-65-6	2-methoxy	r-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)	
100-41-4	ethylbenze	ene	
Oral	LD50	3,500 mg/kg (mouse)	
Dermal	LD50	15,486 mg/kg (rabbit)	
Inhalative	LC50/4 h	17.2 mg/l (mouse)	
64741-65-	64741-65-7 Naphtha (petroleum), heavy alkylate		
Oral	LD50	6,001 mg/kg (mouse)	
Dermal	LD50	3,001 mg/kg (rabbit)	

- · Primary irritant effect:
  - · on the skin: Irritant to skin and mucous membranes.
  - · on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

Irritant

Causes skin irritation.

Causes serious eye irritation.

Suspected of causing cancer.

May cause drowsiness or dizziness.

May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Oral, Inhalation.

· 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 (Contd. on page 9)



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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
· NTP (National Toxicology Program)	
None of the ingredients is listed.	
· OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients is listed.	

## 12 Ecological information

· Toxicity

· Aquatic t	· Aquatic toxicity:		
1330-20-7 x	rylene		
EC50	2.2 mg/l (algae)		
LC50 48h	1 mg/l (daphnia)		
LC50 (96h)	2.6 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)		
108-65-6 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)		
100-41-4 et	hylbenzene		
EC50	438 mg/l (algae) (72h)		
	1.8 mg/l (daphnia) (48 h)		
LC50 (96h)	12.1 mg/l (Fish)		

### · Persistence and degradability No further relevant information available.

· Substan	ces Easily biodegradable	
1330-20-7	xylene	
123-86-4	n-butyl acetate	
108-65-6	2-methoxy-1-methylethyl acetate	
100-41-4	ethylbenzene	

### · Behavior in environmental systems:

- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.

### · Additional ecological information:

· General notes:

Water hazard class 2 (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.

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· 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.

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		sport		1	IUII

· UN-Number

· DOT, IMDG, IATA UN1263

· Note Check viscosity and flash point at section 9

· UN proper shipping name

· DOT Paint · IMDG, IATA PAINT

- · Transport hazard class(es)
  - $\cdot DOT$



· Class 3 Flammable liquids

· Label

· Class 3 Flammable liquids

· Label

· IMDG, IATA



· Class 3 Flammable liquids

3

· Label

· Packing group

· DOT, IMDG, IATA

· Environmental hazards:

· Marine pollutant: No

· Special precautions for user Warning: Flammable liquids

· Hazard identification number (Kemler code): 30

• EMS Number: F-E,S-E

· Stowage Category A

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Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· IMDG

· Limited quantities (LQ)

· Excepted quantities (EQ)

5L

Code: E1

Maximum net quantity per inner packaging: 30

ml

Maximum net quantity per outer packaging:

1000 ml

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

# 15 Regulatory information

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

Requirements of Federal Register

· Various regulations

· SARA

· Section 355 (extremely hazardous substances):
None of the ingredients is listed.
· Section 313 (Specific toxic chemical listings) :

 1330-20-7
 xylene
 12.5-15%

 100-41-4
 ethylbenzene
 2.5-4.99%

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Hazardous Air Pollutants

1330-20-7 xylene

100-41-4 ethylbenzene

· Proposition 65

· Chemicals known to cause cancer:

100-41-4 ethylbenzene

2.5-4.99%

· Chemicals known to cause reproductive toxicity for females:

70657-70-4 2-methoxypropyl acetate

<0.1%

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· Car	cinogenic categories		
. 1	· EPA (Environmental Protection Agency)		
1330-20-7	xylene	1	12.5-15%
100-41-4	ethylbenzene	D	2.5-4.99%
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			(Conta. or page 11)
	· TLV (Threshold Limit Value)		
	1330-20-7	xylene	A4
	100-41-4	ethylbenzene	A3
Ī	· 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 08/15/2022 / 97
  - · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

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 - Dermal 4: Acute toxicity - Category 4

Skin Irrititation 2: Skin corrosion/irritation - Category 2

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

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.