



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

### 1.1. Product identifier

Mixture identification:

Trade name: TRASPARENT POLYESTER BASE COAT

Trade code: PF306T

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Paint product for professional/industrial use

Uses advised against: N.A.

### 1.3. Details of the supplier of the safety data sheet

Company: INDUSTRIA CHIMICA ADRIATICA S.P.A.

Via S. Pertini, 52

62012 Civitanova Marche (MC) Italy

tel: +39 0733 8080

fax: +39 0733 808140

Responsible: regulatoryaffairs@icaspa.com - INDUSTRIA CHIMICA ADRIATICA S.p.A.

### 1.4. Emergency telephone number

Anti-poison centre - Hospital of Florence (24/24 hours)

Telephone +39 055 794 7819

## SECTION 2: Hazards identification



### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

Flam. Liq. 2	Highly flammable liquid and vapour.
Skin Irrit. 2	Causes skin irritation.
Eye Irrit. 2	Causes serious eye irritation.
Repr. 2	Suspected of damaging fertility or the unborn child.
STOT SE 3	May cause respiratory irritation.
STOT RE 1	Causes damage to organs through prolonged or repeated exposure.
Aquatic Chronic 3	Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

#### Regulation (EC) No 1272/2008 (CLP):

#### Pictograms and Signal Words



Danger

#### Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

#### Precautionary statements

- P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...  
P370+P378 In case of fire: Use ... to extinguish.  
P403+P235 Store in a well-ventilated place. Keep cool.

**Contains**

styrene, stabilized  
toluene

**Dir. 2004/42/EC (VOC directive)**

PVE  
EU limit value for this product (cat. A/E): 400 g/l  
This product contains max 448,00 g/l VOC.

**Special provisions according to Annex XVII of REACH and subsequent amendments:**

**2.3. Other hazards**

No PBT Ingredients are present

Other Hazards: No other hazards

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

N.A.

**3.2. Mixtures**

Mixture identification: TRASPARENT POLYESTER BASE COAT

**Hazardous components within the meaning of the CLP regulation and related classification:**

Qty	Name	Ident. Numb.	Classification	Registration Number
25-35 %	styrene, stabilized	CAS:100-42-5 EC:202-851-5 Index:601-026-00-0	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H332; STOT SE 3, H335; Repr. 2, H361d; STOT RE 1, H372; Aquatic Chronic 3, H412; Aquatic Chronic 3, H412	01-2119457861-32-XXXX
3-10 %	ethyl acetate	CAS:141-78-6 EC:205-500-4 Index:607-022-00-5	DxPhrase: x; Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	01-2119475103-46-XXXX
3-10 %	toluene	CAS:108-88-3 EC:203-625-9 Index:601-021-00-3	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Repr. 2, H361d; STOT RE 2, H373; Aquatic Chronic 3, H412; Aquatic Chronic 3, H412	01-2119471310-51-XXXX
< 3%	Acetone	CAS:67-64-1 EC:200-662-2 Index:606-001-00-8	DxPhrase: x; Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	01-2119471330-49-XXXX
< 3%	Ethanol	CAS:64-17-5 EC:200-578-6 Index:603-002-00-5	Flam. Liq. 2, H225; Eye Irrit. 2, H319	01-2119457610-43-XXXX
< 3%	1,4-dihydroxybenzene	CAS:123-31-9 EC:204-617-8 Index:604-005-00-4	Acute Tox. 4, H302; Skin Sens. 1, H317; Eye Dam. 1, H318; Muta. 2, H341; Carc. 2, H351; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Aquatic Chronic 1, H410, M-Chronic:1, M-Acute:10	01-2119524016-51-XXXX
< 3%	2-butanone	CAS:78-93-3 EC:201-159-0 Index:606-002-00-3	DxPhrase: x; Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	01-2119457290-43-XXXX

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

### **4.2. Most important symptoms and effects, both acute and delayed**

Eye irritation

Eye damages

Skin Irritation

Erythema

### **4.3. Indication of any immediate medical attention and special treatment needed**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

---

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

In case of fire: Use ... to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

### **5.2. Special hazards arising from the substance or mixture**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

### **5.3. Advice for firefighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

---

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

### **6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

### **6.3. Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### **6.4. Reference to other sections**

See also section 8 and 13

---

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.  
 Use localized ventilation system.  
 Don't use empty container before they have been cleaned.  
 Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
 Contaminated clothing should be changed before entering eating areas.  
 Do not eat or drink while working.  
 See also section 8 for recommended protective equipment.

**7.2. Conditions for safe storage, including any incompatibilities**

Always keep in a well ventilated place.  
 Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.  
 Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

**7.3. Specific end use(s)**

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Community Occupational Exposure Limits (OEL)**

Component	OEL Type	Country	Ceiling	Long Term mg/m <sup>3</sup>	Long Term ppm	Short Term mg/m <sup>3</sup>	Short Term ppm	Notes
styrene, stabilized	EU		C	85	20	170	40	
	NATIONAL	BARBADOS	C	105	25			
	NATIONAL	ANTIGUA AND BARBUDA	C	105	25	105	25	
ethyl acetate	EU		C		400			
	NATIONAL	ANTIGUA AND BARBUDA	C	540	150	1080	300	
	NATIONAL	BARBADOS	C	21	5	42	10	
toluene	EU		C	192	50	384	100	
	NATIONAL	BARBADOS	C	94	25			
	NATIONAL	ANTIGUA AND BARBUDA	C	94	25	188	50	
Acetone	NATIONAL	ANTARCTICA	C	192	50			
	EU		C	1210	500		750	
	NATIONAL	BARBADOS	C	295	125			
Ethanol	NATIONAL	ANTIGUA AND BARBUDA	C	600	250			
	EU		C		1000		1000	
	NATIONAL	BARBADOS	C	950	500			
1,4-dihydroxybenzene	NATIONAL	ANTIGUA AND BARBUDA	C	1900	1000	3800	2000	
	NATIONAL	ANTARCTICA	C		1000		1000	
	EU		C	2	0,44			
2-butanone	NATIONAL	ALBANIA	C	600	200	600	200	
	NATIONAL	BELARUS	C	600		900		
	NATIONAL	BOSNIA AND HERZEGOVINA	C			300	100	
	NATIONAL	BHUTAN	C	450		900		
	NATIONAL	AUSTRIA	C	150	50	300	100	
	EU		C	600	200	900	300	
	NATIONAL	AZERBAIJAN	C	600	200	900	300	

NATIONAL	ANTIGUA AND BARBUDA	C	145	50	290	100
NATIONAL	BARBADOS	C	220	75		
ACGIH		C		200		300
NATIONAL	ARGENTINA	C	600	200	900	300
NATIONAL	ANTARCTICA	C	600	200	900	300
NATIONAL	AFGHANISTAN	C	600	200	900	300
NATIONAL	ANGUILLA	C	600	200	900	300
NATIONAL	ARMENIA	C	600	200	899	300

**Predicted No Effect Concentration (PNEC) values**

Component	CAS-No.	PNEC LIMIT	Exposure Route	Exposure Frequency	Remark
styrene, stabilized	100-42-5	0,2 mg/kg	Soil (agricultural)		
		0,028 mg/l	Water		
		0,04 mg/l	WATER, INTERMITTING RELEASE		
		0,014 mg/l	Water		
		0,614 mg/kg	Air		
		0,307 mg/kg	Marine water sediments		
		5 mg/l	Microorganisms in sewage treatments		
ethyl acetate	141-78-6	0,2 g/kg	Food chain		
		0,148 mg/kg	Soil (agricultural)		
		0,24 mg/l	Water		
		0,02 mg/l	Water		
		1,15 mg/kg	Air		
		0,115 mg/kg	Marine water sediments		
		650 mg/l	Microorganisms in sewage treatments		
toluene	108-88-3	0,68 mg/l	Water		
		0,68 mg/l	WATER, INTERMITTING RELEASE		
		0,68 mg/l	Water		
		16,39 mg/kg	Air		
		16,39 mg/kg	Marine water sediments		
		13,61 mg/l	Microorganisms in sewage treatments		
Acetone	67-64-1	33,3 mg/kg	Soil (agricultural)		
		10,6 mg/l	Water		
		1,06 mg/l	Water		
		3,04 mg/kg	Marine water sediments		
		29,5 mg/l	Microorganisms in sewage treatments		
Ethanol	64-17-5	0,63 mg/kg	Soil (agricultural)		
		0,96 mg/l	Water		
		0,79 mg/l	Water		
		3,6 mg/kg	Air		
		2,9 mg/kg	Marine water sediments		
		580 mg/l	Microorganisms in sewage treatments		
1,4-dihydroxybenzene	123-31-9	129 mg/kg	Soil (agricultural)		
		114 mg/l	Water		
		11,4 mg/l	Water		
		980 mg/kg	Air		
		97 mg/kg	Marine water sediments		

2-butanone	78-93-3	22,5	Soil (agricultural)
		55,8 mg/l	Water
		55,8 mg/l	WATER, INTERMITTING RELEASE
		55,8 mg/l	Water
		284,74 mg/kg	Air
		287,7 mg/kg	Marine water sediments
		709 mg/l	Microorganisms in sewage treatments

#### Derived No Effect Level (DNEL) values

Component	CAS-No.	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
styrene, stabilized	100-42-5	306 mg/m <sup>3</sup>		182,75 mg/m <sup>3</sup>	Human Inhalation	Short Term, local effects	
		289 mg/m <sup>3</sup>		174,25 mg/m <sup>3</sup>	Human Inhalation	Short Term, systemic effects	
		406 mg/kg		343 mg/kg	Human Dermal	Long Term, systemic effects	
		85 mg/m <sup>3</sup>		10,2 mg/m <sup>3</sup>	Human Inhalation	Long Term, systemic effects	
				2,1 mg/kg	Human Oral	Long Term, systemic effects	
ethyl acetate	141-78-6	1468 mg/m <sup>3</sup>		734 mg/m <sup>3</sup>	Human Inhalation	Short Term, local effects	
		1468 mg/m <sup>3</sup>		734 mg/m <sup>3</sup>	Human Inhalation	Short Term, systemic effects	
		63 mg/kg		37 mg/kg	Human Dermal	Long Term, systemic effects	
		734 mg/m <sup>3</sup>		367 mg/m <sup>3</sup>	Human Inhalation	Long Term, local effects	
		734 mg/m <sup>3</sup>		367 mg/m <sup>3</sup>	Human Inhalation	Long Term, systemic effects	
			4,5 mg/kg	Human Oral	Long Term, systemic effects		
toluene	108-88-3	384 mg/m <sup>3</sup>		226 mg/m <sup>3</sup>	Human Inhalation	Short Term, local effects	
		384 mg/m <sup>3</sup>		226 mg/m <sup>3</sup>	Human Inhalation	Short Term, systemic effects	
		384 mg/kg		226 mg/kg	Human Dermal	Long Term, systemic effects	
		192 mg/m <sup>3</sup>		56,5 mg/m <sup>3</sup>	Human Inhalation	Long Term, local effects	
		192 mg/m <sup>3</sup>		56,5 mg/m <sup>3</sup>	Human Inhalation	Long Term, systemic effects	
			8,13 mg/kg	Human Oral	Long Term, systemic effects		
Acetone	67-64-1			62 mg/kg	Human Dermal	Short Term, systemic effects	
		1210 mg/m <sup>3</sup>		200 mg/m <sup>3</sup>	Human Inhalation	Long Term, systemic effects	
				62 mg/kg	Human Oral	Long Term, systemic effects	
		2420 mg/m <sup>3</sup>			Human Inhalation	Short Term, systemic effects	

		186 mg/kg		Human Dermal	Long Term, systemic effects
Ethanol	64-17-5	1900 mg/m <sup>3</sup>	950 mg/m <sup>3</sup>	Human Inhalation	Short Term, local effects
		343 mg/kg	206 mg/kg	Human Dermal	Long Term, systemic effects
		950 mg/m <sup>3</sup>	114 mg/m <sup>3</sup>	Human Inhalation	Long Term, systemic effects
		343 mg/kg	87 mg/kg	Human Oral	Long Term, systemic effects
1,4-dihydroxybenzene	123-31-9	128 mg/kg	64 mg/kg	Human Dermal	Long Term, systemic effects
		1 mg/m <sup>3</sup>	0,5 mg/m <sup>3</sup>	Human Inhalation	Long Term, local effects
		7 mg/m <sup>3</sup>	1,74 mg/m <sup>3</sup>	Human Inhalation	Long Term, systemic effects
2-butanone	78-93-3		412 mg/kg	Human Dermal	Short Term, systemic effects
		600 mg/m <sup>3</sup>	106 mg/m <sup>3</sup>	Human Inhalation	Long Term, systemic effects
			31 mg/kg	Human Oral	Long Term, systemic effects
		1161 mg/kg		Human Dermal	Long Term, systemic effects

## 8.2. Exposure controls

### Eye protection:

Use close fitting safety goggles, don't use eye lens.

### Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

### Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

### Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

### Thermal Hazards:

N.A.

### Environmental exposure controls:

N.A.

### Hygienic and Technical measures

N.A.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State Liquid

Appearance and colour: yellow

Odour: N.A.

Odour threshold: N.A.

pH: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Flash point: < 23°C

Evaporation rate: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Vapour pressure: N.A.

Relative density: 1.06 g/ml

Solubility in water: N.A.

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.  
Decomposition temperature: N.A.  
Viscosity: N.A.  
Explosive properties: N.A.  
Oxidizing properties: N.A.  
Solid/gas flammability: N.A.  
VOC content (g/L) in the product (2010/75/UE) 446.36  
VOC content % in the product (2010/75/UE) 42.11

## 9.2. Other information

Substance Groups relevant properties N.A.  
Miscibility: N.A.  
Conductivity: N.A.

---

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

### 10.6. Hazardous decomposition products

None.

---

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	The product is classified: Skin Irrit. 2(H315)
c) serious eye damage/irritation	The product is classified: Eye Irrit. 2(H319)
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	The product is classified: Repr. 2(H361)
h) STOT-single exposure	The product is classified: STOT SE 3(H335)
i) STOT-repeated exposure	The product is classified: STOT RE 1(H372)
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

#### Toxicological information on main components of the mixture:

styrene, stabilized	a) acute toxicity	LD50 Oral Rat 5000 mg/kg
	b) skin corrosion/irritation	LD50 Skin Rat > 2000 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat 11,8 mg/l 4h
ethyl acetate	a) acute toxicity	LD50 Oral Rat 4934 mg/kg
	b) skin corrosion/irritation	LD50 Skin Rabbit > 20000 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat > 22,5 mg/l 6h
toluene	a) acute toxicity	LD50 Oral Rat 636 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat 49 mg/l 4h



Acetone	a) acute toxicity	LD50 Oral Rat 5800 mg/kg 4h
	b) skin corrosion/irritation	LD50 Skin Rat 15800 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat 76 ppm 8h
Ethanol	a) acute toxicity	LD50 Oral Rat 10470 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat 124,7 mg/l 4h
1,4-dihydroxybenzene	a) acute toxicity	LD50 Oral Rat > 375 mg/kg
	b) skin corrosion/irritation	LD50 Skin Rat > 2000 mg/kg
2-butanone	a) acute toxicity	LD50 Oral Rat 2193 mg/kg
	b) skin corrosion/irritation	LD50 Skin Rabbit > 5000 mg/kg
	j) aspiration hazard	LC50 Inhalation Vapour Rat 4000 ppm

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

#### List of Eco-Toxicological properties of the product

The product is classified: Aquatic Chronic 3(H412)

#### List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
styrene, stabilized	CAS: 100-42-5 - EINECS: 202- 851-5 - INDEX: 601-026-00-0	a) Aquatic acute toxicity : EC50 Daphnia 4,7 mg/L 48h - Daphnia Magna  b) Aquatic chronic toxicity : IC50 Algae 4,9 mg/L 72h - Algae a) Aquatic acute toxicity : LC50 Fish 4,02 mg/L 96h - Fish b) Aquatic chronic toxicity : NOEC Daphnia 1,01 mg/L - Daphnia Magna
ethyl acetate	CAS: 141-78-6 - EINECS: 205- 500-4 - INDEX: 607-022-00-5	a) Aquatic acute toxicity : EC50 Daphnia 165 mg/L 48h - Daphnia magna  a) Aquatic acute toxicity : LC50 Fish 230 mg/L 96h - Fish b) Aquatic chronic toxicity : NOEC Algae > 100 mg/L b) Aquatic chronic toxicity : NOEC Daphnia 2,4 mg/L - Daphnia pulex
toluene	CAS: 108-88-3 - EINECS: 203- 625-9 - INDEX: 601-021-00-3	a) Aquatic acute toxicity : EC50 Daphnia 11,6 mg/L 48h  b) Aquatic chronic toxicity : IC50 Algae 12,5 mg/L 72h b) Aquatic chronic toxicity : NOEC 1 mg/L
Acetone	CAS: 67-64-1 - EINECS: 200- 662-2 - INDEX: 606-001-00-8	a) Aquatic acute toxicity : EC50 Daphnia 8800 mg/L 48h - Daphnia magna  a) Aquatic acute toxicity : LC50 Fish 5540 mg/L 96h - Trota iridea
Ethanol	CAS: 64-17-5 - EINECS: 200- 578-6 - INDEX: 603-002-00-5	b) Aquatic chronic toxicity : EC10 Algae 675 mg/L 96h - Alga  a) Aquatic acute toxicity : LC50 Fish 15,3 g/L 96h - Fish
1,4-dihydroxybenzene	CAS: 123-31-9 - EINECS: 204- 617-8 - INDEX: 604-005-00-4	a) Aquatic acute toxicity : EC50 Daphnia 0,13 mg/L 48h - Daphnia

2-butanone CAS: 78-93-3 - EINECS: 201-159-0 - INDEX: 606-002-00-3

b) Aquatic chronic toxicity : IC50 Algae 0,33 mg/L 72h - Algae  
a) Aquatic acute toxicity : LC50 Fish 0,09 mg/L 96h - Pimephales promelas  
a) Aquatic acute toxicity : EC50 Daphnia 308 mg/L 48h - Daphnia  
a) Aquatic acute toxicity : LC50 Fish 2993 mg/L 96h - Fish

## 12.2. Persistence and degradability

Component	Persistence/Degradability	Value
styrene, stabilized	Readily biodegradable	0
ethyl acetate	Readily biodegradable	0
toluene	Readily biodegradable	0
Acetone	Readily biodegradable	0
Ethanol	Readily biodegradable	0
1,4-dihydroxybenzene	Readily biodegradable	0
2-butanone	Readily biodegradable	0

## 12.3. Bioaccumulative potential

Component	Test	Value
toluene	BCF - Bioconcentration factor	8,32
Acetone	BCF - Bioconcentration factor	3

## 12.4. Mobility in soil

N.A.

## 12.5. Results of PBT and vPvB assessment

No PBT Ingredients are present

## 12.6. Other adverse effects

N.A.

---

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

---

## SECTION 14: Transport information

### 14.1. UN number

1263

### 14.2. UN proper shipping name

ADR-Shipping Name: PAINT

IATA-Technical name: PAINT

IMDG-Technical name: PAINT

### 14.3. Transport hazard class(es)

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

### 14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

### 14.5. Environmental hazards

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: No

Environmental Pollutant: No

### 14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR exempt:  
ADR-Label: 3  
ADR - Hazard identification number: 33  
ADR-Special Provisions: 163 367 640C 650  
ADR-Transport category (Tunnel restriction code):

Air (IATA):

IATA-Passenger Aircraft: 353  
IATA-Cargo Aircraft: 364  
IATA-Label: 3  
IATA-Subsidiary hazards: -  
IATA-Erg: 3L  
IATA-Special Provisions: A3 A72 A192

Sea (IMDG):

IMDG-Stowage Code: Category B  
IMDG-Stowage Note: -  
IMDG-Subsidiary hazards: -  
IMDG-Special Provisions: 163 367  
IMDG-Page: N/A  
IMDG-Label: N/A  
IMDG-EMS: F-E, S-E  
IMDG-MFAG: N/A

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

N.A.

**SECTION 15: Regulatory information**

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) 2015/830

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: 28, 29, 48

Provisions related to directive EU 2012/18 (Seveso III):

**Seveso III category according to Annex 1, part 1**

Product belongs to category: P5c	5000	50000
----------------------------------	------	-------

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

Class 2: hazardous for water.

SVHC Substances:

No data available

**Dir. 2004/42/EC (VOC directive)**

(ready to use)

Volatile Organic compounds - VOCs = 42.26 %

Volatile Organic compounds - VOCs = 448,00 g/L

TRASPARENT POLYESTER BASE COAT (not ready to use)

Volatile Organic compounds - VOCs = 42.11 %

Volatile Organic compounds - VOCs = 446.36 g/L

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for the mixture.

---

**SECTION 16: Other information**

<b>Code</b>	<b>Description</b>
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

<b>Code</b>	<b>Hazard class and hazard category</b>	<b>Description</b>
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1	Skin Sens. 1	Skin Sensitisation, Category 1
3.5/2	Muta. 2	Germ cell mutagenicity, Category 2
3.6/2	Carc. 2	Carcinogenicity, Category 2
3.7/2	Repr. 2	Reproductive toxicity, Category 2
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
3.9/1	STOT RE 1	Specific target organ toxicity — repeated exposure, Category 1
3.9/2	STOT RE 2	Specific target organ toxicity — repeated exposure, Category 2
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3
x		x

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

<b>Classification according to Regulation (EC) Nr. 1272/2008</b>	<b>Classification procedure</b>
2.6/2	On basis of test data
3.2/2	Calculation method
3.3/2	Calculation method
3.7/2	Calculation method
3.8/3	Calculation method
3.9/1	Calculation method
4.1/C3	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: KAFH

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration.  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.

**Paragraphs modified from the previous revision:**

- 3. COMPOSITION/INFORMATION ON INGREDIENTS