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

1.1 Product identifier

Trade name : P-U-30 3L 3L Metal pail P-U-30 3L 3L Metal pail

Product code : 00000000050794336

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

Use of the : Spraying

Substance/Mixture

Coatings and related products

1.3 Details of the supplier of the safety data sheet

Company: Contact address:

BASF Coatings GmbH Postfach 6123 48136 Münster Deutschland BASF plc 4th and 5th Floors, 2 Stockport Exchange Railway Road, Stockport, SK1 3GG

United Kingdom

Telephone: +44 161 475 3000

E-mail address: product-safety-uk-and-ireland@basf.com

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1.4 Emergency telephone

International emergency number: Telephone: +49 180 2273-112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Flammable liquids, Category 3 H226: Flammable liquid and vapor.

Skin irritation, Category 2 H315: Causes skin irritation.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Skin sensitization, Category 1 H317: May cause an allergic skin reaction.

Specific target organ toxicity - single

exposure, Category 3, Central

nervous system

Specific target organ toxicity - H373: May cause damage to organs through

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H336: May cause drowsiness or dizziness.

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repeated exposure, Category 2 prolonged or repeated exposure.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :







Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through

prolonged or repeated exposure.

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Precautionary Statements Prevention:

P210 Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No

smoking.

P260 Do not breathe mist or vapors.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/

eye protection/ face protection/ hearing

protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing. Rinse

skin with water.

P370 + P378 In case of fire: Use dry sand, dry chemical

or alcohol-resistant foam to extinguish.

Hazardous ingredients which must be listed on the label:

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n-Butyl acetate

xylene

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]

2-hydroxyethyl methacrylate

maleic anhydride

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : epoxy resin

nitrocellulose

organic solvent

fillers

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acrylic resin

Components

Components			
Chemical name	CAS-No.	Classification	Concentratio
	EC-No.		n (% w/w)
	Index-No.		
	Registration		
	number		
n-Butyl acetate	123-86-4	Flam. Liq. 3; H226	>= 20 - < 25
	204-658-1	STOT SE 3; H336	
	607-025-00-1	(Central nervous	
	UK-20-	system)	
	9702550300-0-		
	0000		
	UK-20-		
	0537843089-5-		
	0000		

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	UK-20- 9642318150-0- 0000		
xylene	1330-20-7 215-535-7 601-022-00-9 UK-20- 2749242067-7- 0000	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315	>= 10 - < 12.5
	UK-20- 9702550300-0- 0000 UK-20- 0537843089-5- 0000	Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373	
	UK-20- 9642318150-0- 0000	(Kidney, Liver, Central nervous system)	

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		Asp. Tox. 1; H304	
		Aquatic	
		Chronic 3; H412	
ethylbenzene	100-41-4	Flam. Liq. 2; H225	>= 1 - < 2
	202-849-4	Acute Tox. 4;	
	601-023-00-4	H332	
	UK-20-	STOT RE 2; H373	
	9702550300-0-	(Auditory system)	
	0000	Asp. Tox. 1; H304	
	UK-20-	Aquatic	
	0537843089-5- 0000	Chronic 3; H412	
2-heptanone	110-43-0	Flam. Liq. 3; H226	>= 1 - < 2
	203-767-1	Acute Tox. 4;	
	606-024-00-3	H302	
	UK-20- 0537843089-5-	Acute Tox. 4; H332	

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	0000	STOT SE 3; H336 (Central nervous system)	
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxir ane]	25036-25-3	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317	>= 1 - < 2
2-hydroxyethyl methacrylate	868-77-9 212-782-2 607-124-00-X UK-20- 0537843089-5- 0000 UK-20- 9642318150-0- 0000	Eye Irrit. 2; H319 Skin Sens. 1B; H317	>= 0.1 - < 0.2
maleic anhydride	108-31-6	Acute Tox. 4;	< 0.001

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203-571-6 607-096-00-9 UK-20- 9702550300-0- 0000 UK-20-	H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Resp. Sens. 1; H334	
UK-20- 9642318150-0- 0000	H317 STOT RE 1; H372 (Respiratory system) specific concentration limit Skin Sens. 1A; H317 >= 0.001 %	

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Substances with a workplace expos	sure limit :	
Limestone	1317-65-3	>= 10 - < 12.5
	215-279-6	
	UK-20- 9702550300-0-	
	0000	
	UK-20- 0537843089-5- 0000	
talc	14807-96-6	>= 7 - < 10
	238-877-9	
	UK-20- 9702550300-0- 0000	
	UK-20- 0537843089-5- 0000	

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For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice : Ir

: In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or

the label of the product.

Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48

hours after the accident.

Keep patient warm and at rest.

First aid personnel should pay attention to their own safety.

If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

Immediately remove contaminated clothing.

In all cases of doubt, or when symptoms persist, seek

medical attention.

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Move out of dangerous area.

Never give anything by mouth to an unconscious person.

If inhaled : Call a physician or poison control center immediately.

If symptoms persist, call a physician.

If breathed in, move person into fresh air.

If breathing is irregular or stopped, administer artificial

respiration.

In case of skin contact : If symptoms persist, call a physician.

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Do NOT use solvents or thinners.

In case of eye contact : Immediately wash affected eyes for at least 15 minutes

under running water with eyelids held open, consult an

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eye specialist.

Call a physician immediately.

If easy to do, remove contact lens, if worn.

If swallowed : Rinse mouth with water.

Do not induce vomiting due to aspiration hazard.

Keep at rest.

If symptoms persist, call a physician or Poison Control

Center immediately.

If symptoms persist, call a physician.

Do NOT induce vomiting.

Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Information, i.e. additional information on symptoms

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and effects may be included in the GHS labeling phrases

available in Section 2 and in the Toxicological

assessments available in Section 11.

Risks : Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or

repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No known specific antidote.

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing : Water spray jet

media

Dry powder

Alcohol-resistant foam

Carbon dioxide (CO2)

Unsuitable extinguishing

media

: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire : Fire will produce dense black smoke containing

fighting hazardous combustion products (see section 10).

5.3 Advice for firefighters

Special protective : Appropriate breathing apparatus may be required.

equipment for fire-fighters

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Further information : In the event of fire, cool tanks with water spray.

Fire residues and contaminated fire extinguishing water

must be disposed of in accordance with local

regulations.

Collect contaminated fire extinguishing water separately.

This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid breathing vapours.

Keep away from sources of ignition.

Advice on product handling can be found in sections 7

and 8 of this safety data sheet.

For non-emergency personnel:

For emergency responders:

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Use personal protective equipment.

Ensure adequate ventilation, especially in confined

areas.

6.2 Environmental precautions

Environmental precautions: Do not allow uncontrolled discharge of product into the

environment.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains

inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see

section 13).

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6.4 Reference to other sections

For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide good ventilation of working area (local exhaust

ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in

application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the

exposure limits.

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The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Advice on protection against fire and explosion

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. The relevant fire protection measures should be noted. Use explosion-proof equipment. Vapors are heavier than air and may spread along floors. Vapors may form

explosive mixtures with air.

Hygiene measures

: Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal

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feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Further information on : Keep away from heat. Avoid direct sunlight. Close storage conditions : containers carefully once opened and store them

upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing. Keep

in a dry, cool and well-ventilated place.

Advice on common storage: Keep away from oxidizing agents, strongly alkaline and

strongly acid materials in order to avoid exothermic

reactions.

Recommended storage

temperature

: 5-35°C

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Packaging material : Suitable material: Stainless steel 1.4301 (V2), Carbon

steel (Iron), tinned carbon steel (Tinplate)

7.3 Specific end use(s)

Specific use(s) : Please refer to the technical leaflet for further

information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
n-Butyl acetate	123-86-4	TWA	150 ppm 724 mg/m3	GB EH40
		STEL	200 ppm 966 mg/m3	GB EH40
		STEL	150 ppm	2019/1831/

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			723 mg/m3	EU	
	Further infor	mation: Indicative		L	
		TWA	50 ppm	2019/1831/	
			241 mg/m3	EU	
	Further infor	mation: Indicative		I	
xylene	1330-20-7	TWA	50 ppm	GB EH40	
			220 mg/m3		
	Further infor	mation: Can be ab	sorbed through the skin. 1	he assigned	
	substances a	re those for which	there are concerns that d	ermal	
	absorption v	vill lead to systemic	c toxicity.		
		STEL	100 ppm	GB EH40	
			441 mg/m3		
	Further information: Can be absorbed through the skin. The assigned				
	substances are those for which there are concerns that dermal				
	absorption will lead to systemic toxicity.				
		TWA	50 ppm	2000/39/EC	

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			221 mg/m3		
	Further information: Identifies the possibility of significant uptake				
	through the	skin, Indicative			
		STEL	100 ppm	2000/39/EC	
			442 mg/m3		
	Further infor	mation: Identifies	the possibility of significar	nt uptake	
	through the	skin, Indicative			
Limestone	1317-65-3	TWA (inhalable	10 mg/m3	GB EH40	
		dust)			
		TWA	4 mg/m3	GB EH40	
		(Respirable			
		dust)			
talc	14807-96-6	TWA	1 mg/m3	GB EH40	
		(Respirable			
		dust)			
ethylbenzene	100-41-4	TWA	100 ppm	GB EH40	
			441 mg/m3		

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	substances a	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.					
		STEL	125 ppm	GB EH40			
			552 mg/m3				
	Further info	rmation: Can be ab	sorbed through the skin. T	he assigned			
	substances a	are those for which	there are concerns that d	ermal			
	absorption v	vill lead to systemi	c toxicity.				
		TWA 100 ppm 2000/39/EC					
			442 mg/m3				
	Further info	rmation: Identifies	the possibility of significar	nt uptake			
	through the	skin, Indicative					
		STEL	200 ppm	2000/39/EC			
			884 mg/m3				
	Further info	rmation: Identifies	the possibility of significar	nt uptake			
	through the	through the skin, Indicative					
2-heptanone	110-43-0	STEL	100 ppm	GB EH40			

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			475 mg/m3	
F	urther infor	mation: Can be ab	sorbed through the skin. T	he assigned
s	substances a	re those for which	there are concerns that d	ermal
a	absorption w	vill lead to systemic	toxicity.	
		TWA	50 ppm	GB EH40
			237 mg/m3	
F	urther infor	mation: Can be ab	sorbed through the skin. T	he assigned
S	substances a	re those for which	there are concerns that de	ermal
a	absorption w	vill lead to systemic	toxicity.	
		TWA	50 ppm	2000/39/EC
			238 mg/m3	
F	urther infor	mation: Identifies	the possibility of significar	nt uptake
t	hrough the	skin, Indicative		
		STEL	100 ppm	2000/39/EC
			475 mg/m3	
F	urther infor	mation: Identifies	the possibility of significar	nt uptake
t	hrough the	skin, Indicative		

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maleic anhydride	108-31-6	TWA	1 mg/m3	GB EH40
	Further infor	mation: Capable o	f causing occupational ast	hma.
		STEL	3 mg/m3	GB EH40
	Further infor	mation: Capable o	f causing occupational ast	hma.

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
xylene	1330-20-7	methyl hippuric acid: 650 Millimoles per mole creatinine (Urine)	After shift	GB EH40 BAT

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation.

Personal protective equipment

Eye/face protection : Tightly fitting safety goggles (splash goggles) (e.g. EN

166)

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Required when there is a risk of eye contact.

Hand protection

Remarks

: Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for shortterm contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective

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index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation

time according to EN ISO 374-1)

Skin and body protection : Anti-static protective clothing

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant

synthetic fibres.

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

When workers are facing concentrations above the exposure limit they must use appropriate certified

respirators.

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily

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accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and

safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Color : colorless
Odor : like acrylic

pH : substance/mixture is non-polar/aprotic

Melting point/ range : not determined

Boiling point/boiling range : not determined

Flash point : 25 °C

Method: ISO 3679

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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Evaporation rate : No data available

Lower explosion limit / Lower : > 35.0 g/m3

flammability limit

Vapor pressure : not determined (20 °C)

not determined (50 °C)

Relative vapor density : Heavier than air.

1.150 g/cm3 (20 °C) Density

Solubility(ies)

Water solubility not determined

Partition coefficient: nnot applicable for mixtures

octanol/water

Autoignition temperature : > 200 °C

No decomposition if stored and handled as Decomposition temperature

prescribed/indicated.

Viscosity

Viscosity, dynamic

No data available

Viscosity, kinematic 411.6 mm2/s (23 °C)

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180.000 mm2/s (40 °C)

Flow time : > 60 s at 23 °C

Cross section: 6 mm Method: ISO 2431

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information

Flammability (liquids) : Flammable liquid and vapour.

Self-heating substances : The substance or mixture is not classified as self heating.

Metal corrosion rate : Not corrosive to metals.

Particle size : The substance / product is marketed or used in a non solid or

granular form.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

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10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form ignitable mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Avoid direct sunlight.

Protect from frost.

Heat, flames and sparks.

Heat.

10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and

strongly acid materials in order to avoid exothermic

reactions.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l

Exposure time: 4 h

Test atmosphere: vapor

Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg

Method: Calculation method

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Components:

2-heptanone:

Acute oral toxicity : LD50 (Rat): 1,600 mg/kg

Acute inhalation toxicity : LC50 (Rat): 16.7 mg/l

Exposure time: 4 h

Test atmosphere: vapor

maleic anhydride:

Acute oral toxicity : LD50 (Rat): 1,090 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Components:

n-Butyl acetate:

Result : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye irritation.

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Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

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

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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12.3 Bioaccumulative potential

Components:

n-Butyl acetate:

Partition coefficient: n- : Pow: 200 (25 °C)

octanol/water

log Pow: 2.3 (25 °C)

pH: 7

Method: OECD Test Guideline 117

GLP: yes

xylene:

Partition coefficient: n-

octanol/water

: log Pow: 3.12 - 3.20 (25 °C)

GLP: no

Remarks: Information taken from reference works and

the literature.

ethylbenzene:

Partition coefficient: n- : Pow: 4,170 (20 °C)

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octanol/water log Pow: 3.6 (20 °C)

pH: 7.8

GLP: yes

2-heptanone:

Partition coefficient: n- : log Pow: 2.26 (30 °C)

octanol/water pH: 7

Method: Regulation (EC) No. 440/2008, Annex, A.8

GLP: yes

2-hydroxyethyl methacrylate:

Partition coefficient: n- : log Pow: 0.42 (25 °C)

octanol/water pH: 5.9 - 6.1

Method: OECD Test Guideline 107

GLP: yes

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maleic anhydride:

Partition coefficient: n- : log Pow: -2.61 (19.8 °C)

octanol/water

GLP: yes

talc:

Partition coefficient: n- : log Pow: -9.4 (25 °C)

octanol/water

pH: 7

GLP: no

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components

considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative

(vPvB) at levels of 0.1% or higher.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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12.6 Other adverse effects

Product:

Endocrine disrupting

potential

: This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not discharge into drains/surface

waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging : Containers which are not properly emptied must be

disposed pursuant to Directive 2008/98/EC

Packaging that is not properly emptied must be disposed

of as the unused product.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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SECTION 14: Transport information

14.1 UN number

ADN : UN 1263

ADR : UN 1263

RID : UN 1263

IMDG : UN 1263

IATA : UN 1263

14.2 UN proper shipping name

ADN : PAINT

ADR : PAINT

RID : PAINT

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IMDG : PAINT

IATA : PAINT

14.3 Transport hazard class(es)

Class Subsidiary risks

ADN : 3

ADR : 3

RID : 3

IMDG : 3

IATA : 3

14.4 Packing group

ADN

Packing group : III

Classification Code : F1

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Hazard Identification : 30

Number

Labels : 3

ADR

Packing group : III

Classification Code : F1

Hazard Identification : 30

Number

Labels : 3

Tunnel restriction code : (D/E)

RID

Packing group : III

Classification Code : F1

Hazard Identification : 30

Number

Labels : 3

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IMDG

Packing group : III

Labels : 3

EmS Code : F-E, <u>S-E</u>

IATA (Cargo)

Packing instruction (cargo : 366

aircraft)

Packing instruction (LQ) : Y344

Packing group : III

Labels : Flammable Liquids

IATA (Passenger)

Packing instruction : 355

(passenger aircraft)

Packing instruction (LQ) : Y344

Packing group : III

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Labels : Flammable liquid

14.5 Environmental hazards

ADN

Environmentally : no

hazardous

ADR

Environmentally : no

hazardous

RID

Environmentally : no

hazardous

IMDG

Marine pollutant : no

14.6 Special precautions for user

Remarks : ADR: Packages smaller than or equal to 450 liters, not

goods/merchandise of Class 3

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The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC CodeNot applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Conditions of restriction for the

following entries should be

considered:

Number on list 72, 3, 20

Number on list 3

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Number on list 30, 20

UK REACH Candidate list of substances of very high : Not applicable

concern (SVHC) for Authorisation

The Persistent Organic Pollutants Regulations : Not applicable

(retained Regulation (EU) 2019/1021 as amended

for Great Britain)

Regulation (EC) on substances that deplete the : Not applicable

ozone layer

UK REACH List of substances subject to : Not applicable

authorisation (Annex XIV)

P5c

Control of Major Accident Hazards P5c FLAMMABLE LIQUIDS

Regulations 2015 (COMAH)

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Volatile organic : Volatile organic compounds (VOC) content: 390.0 g/l

compounds

Directive 2010/75/EU of 24 November 2010 on

industrial emissions (integrated pollution prevention and

control)

Volatile organic compounds (VOC) content: 35.23 %

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

Details relating to the VOC Directive 2004/42/EC:

Subcategory as indicated in Annex IIB: Limit value for maximum VOC content as specified in Annex IIB: dropped dropped

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15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

SECTION 16: Other information

Full text of H-Statements			
H225	:	Highly flammable liquid and vapor.	
H226	:	Flammable liquid and vapor.	
H302	:	Harmful if swallowed.	
H304	:	May be fatal if swallowed and enters airways.	
H312	:	Harmful in contact with skin.	
H314	:	Causes severe skin burns and eye damage.	
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.	
H334	:	May cause allergy or asthma symptoms or breathing	
		difficulties if inhaled.	
H335	:	May cause respiratory irritation.	
H336	:	May cause drowsiness or dizziness.	
H372	:	Causes damage to organs through prolonged or repeated	
		exposure if inhaled.	
H373	:	May cause damage to organs through prolonged or repeated	
11440		exposure.	
H412	:	Harmful to aquatic life with long lasting effects.	

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Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Chronic : Long-term (chronic) aquatic hazard

Asp. Tox. : Aspiration hazard Eye Dam. : Serious eye damage

Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids

Resp. Sens. : Respiratory sensitization

Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitization

STOT RE : Specific target organ toxicity - repeated exposure STOT SE : Specific target organ toxicity - single exposure

2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first

list of indicative occupational exposure limit values

2019/1831/EU : Europe. Commission Directive 2019/1831/EU establishing a

fifth list of indicative occupational exposure limit values

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT : UK. Biological monitoring guidance values

2000/39/EC / TWA: Limit Value - eight hours2000/39/EC / STEL: Short term exposure limit2019/1831/EU / TWA: Limit Value - eight hours2019/1831/EU / STEL: Short term exposure limit

GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC)

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No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC -International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT -Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration. Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : For multi-pack systems observe material safety data sheets of

all components.

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Restricted to professional users.

Classification of the mixture:		Classification procedure:
Flam. Liq. 3	H226	Based on product data or assessment
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H336	Calculation method
STOT RE 2	H373	Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GB/EN