

# according to Regulation (EC) No 1907/2006

	PU Resin 850	)4/30N	
Revision date: 30.06.2023	Product code:	: 50012	Page 1 of 1
SECTION 1: Identification of t	he substance/mixture and of the	company/undertaking	
<u>1.1. Product identifier</u> PU Resin 8504/30N			
UFI:	NSGF-249U-W00H-667J		
1.2. Relevant identified uses of t	he substance or mixture and uses a	<u>dvised against</u>	
Use of the substance/mixture Resins (prepolymers)			
1.3. Details of the supplier of the	<u>safety data sheet</u>		
Company name:	Kisling (Deutschland) GmbH		
Street:	Salzstraße 15		
Place:	D-74676 Niedernhall		
Telephone:	+49 7940 5096161		
E-mail:	info@kisling.com		
Contact person:	Isabel Winter	Telephone: +49 7941 9205	4087
E-mail:	info@kisling.com		
Internet:	www.kisling.com		
1.4. Emergency telephone	24 hr. emergency phone numb		
<u>number:</u>	Medicines & Poisons Info Offic	e +356 2545 6508	

## 2.1. Classification of the substance or mixture

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

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

# 2.2. Label elements

## Regulation (EC) No 1272/2008

## Special labelling of certain mixtures

EUH208	Contains maleic anhydride. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

## 2.3. Other hazards

No information available.

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

# 3.2. Mixtures



# PU Resin 8504/30N

Revision date: 30.06.2023

Product code: 50012

Page 2 of 11

## Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification (Regulation (E				
78-40-0	triethyl phosphate			1 - < 5 %	
	201-114-5	015-013-00-7			
	Acute Tox. 4, Eye Irrit. 2; H3	02 H319			
	Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate				
	945-730-9		01-2119511174-52		
	Aquatic Acute 1, Aquatic Chr				
108-31-6	maleic anhydride			< 0.1 %	
	203-571-6	607-096-00-9	01-2119472428-31		
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Resp. Sens. 1, Skin Sens. 1A, STOT RE 1; H302 H314 H318 H334 H317 H372 EUH071				

Full text of H and EUH statements: see section 16.

### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc	Limits, M-factors and ATE	
78-40-0	201-114-5	triethyl phosphate	1 - < 5 %
	oral: LD50 =	1170 mg/kg	
	945-730-9	Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phosphate and triphenyl phosphate	1 - < 5 %
	dermal: LD50	e >2000 mg/kg; oral: LD50 = >5000 mg/kg Aquatic Acute 1; H400: M=1	
108-31-6	203-571-6	maleic anhydride	< 0.1 %
	dermal: LD50	= 2620 mg/kg; oral: LD50 = 1090 mg/kg Skin Sens. 1A; H317: >= 0.001 - 100	

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

# 4.1. Description of first aid measures

#### After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

#### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

## After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

Rinse mouth immediately and drink 1 glass of of water.

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

No information available.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.



according to Regulation (EC) No 1907/2006

## PU Resin 8504/30N

Revision date: 30.06.2023

Product code: 50012

Page 3 of 11

# 5.2. Special hazards arising from the substance or mixture

# Non-flammable.

# 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

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

## General advice

Use personal protection equipment.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

#### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

# **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

#### Advice on safe handling

No special measures are necessary.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

### Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

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

## Requirements for storage rooms and vessels

Keep container tightly closed.

#### Hints on joint storage

No special measures are necessary.

## 7.3. Specific end use(s)

No data available

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

## 8.1. Control parameters



# PU Resin 8504/30N

Revision date: 30.06.2023

Product code: 50012

Page 4 of 11

## **DNEL/DMEL** values

CAS No	Name of agent			
DNEL type		Exposure route	Effect	Value
	Reaction mass of 3-methylphenyl diphenyl phosphate, 4- phenyl phosphate, 3-methylphenyl 4-methylphenyl pheny			/lphenyl)
Worker DNEL	., long-term	inhalation	systemic	3,5 mg/m³
Worker DNEL	., acute	inhalation	systemic	28 mg/m³
Worker DNEL	., long-term	dermal	systemic	0,5 mg/kg bw/day
Worker DNEL	., acute	dermal	systemic	4 mg/kg bw/day
Consumer DN	IEL, long-term	inhalation	systemic	0,875 mg/m³
Consumer DN	IEL, acute	inhalation	systemic	7 mg/m³
Consumer DN	IEL, long-term	dermal	systemic	0,25 mg/kg bw/day
Consumer DN	IEL, acute	dermal	systemic	2 mg/kg bw/day
Consumer DN	IEL, long-term	oral	systemic	0,25 mg/kg bw/day
Consumer DN	IEL, acute	oral	systemic	2 mg/kg bw/day
108-31-6	maleic anhydride			
Worker DNEL	, long-term	inhalation	systemic	0,081 mg/m³
Worker DNEL	., acute	inhalation	systemic	0,2 mg/m <sup>3</sup>
Worker DNEL	., long-term	inhalation	local	0,081 mg/m³
Worker DNEL	., acute	inhalation	local	0,2 mg/m <sup>3</sup>

# **PNEC** values

CAS No	Name of agent	
Environment	al compartment	Value
	Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosph phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phos	
Freshwater		0,002 mg/l
Marine water	r	0,0002 mg/l
Freshwater s	sediment	3,43 mg/kg
Marine sedin	nent	0,343 mg/kg
Secondary p	oisoning	267 mg/kg
Soil		0,68 mg/kg
108-31-6	maleic anhydride	
Freshwater		0,038 mg/l
Freshwater (	intermittent releases)	0,379 mg/l
Marine water	r	0,004 mg/l
Freshwater s	sediment	0,296 mg/kg
Marine sedin	nent	0,03 mg/kg
Micro-organi	sms in sewage treatment plants (STP)	44,6 mg/l
Soil		0,037 mg/kg

# 8.2. Exposure controls



according to Regulation (EC) No 1907/2006

# PU Resin 8504/30N

Revision date: 30.06.2023

Product code: 50012

Page 5 of 11





# Individual protection measures, such as personal protective equipment

### Eye/face protection

Wear eye/face protection.

## Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Use of protective clothing.

### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

## **SECTION 9: Physical and chemical properties**

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

9.1. Information on basic physical and che	emical properties
Physical state:	Liquid
Colour:	beige
Odour:	characteristic
Odour threshold:	not determined
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	not applicable
	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not determined
Water solubility:	The study does not need to be conducted
	because the substance is known to be
	insoluble in water.
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 22 °C):	1,40-1,45 g/cm <sup>3</sup>
Relative vapour density:	not determined
9.2. Other information	
Information with regard to physical haz	zard classes
Explosive properties	
The product is not: Explosive.	
Oxidizing properties	

The product is not: oxidising.



PU Resin	8504/30N
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Revision date: 30.06.2023

Product code: 50012

Page 6 of 11

### Other safety characteristics

Evaporation rate: Solid content: Viscosity / dynamic: (at 22 °C) not determined not determined 45.000 - 55.000 mPa·s

# **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

## 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

## 10.3. Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4. Conditions to avoid

none

## 10.5. Incompatible materials

No information available.

## 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### **SECTION 11: Toxicological information**

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

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

#### ATEmix calculated

ATE (oral) 0.0000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 0.0000 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
78-40-0	triethyl phosphate							
	oral	LD50 mg/kg	1170	Rat	GESTIS			
	Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phosphate and triphenyl phosphate							
	oral	LD50 mg/kg	>5000	Rat	Pre-supplier/manufact urer			
	dermal	LD50 mg/kg	>2000	Rat	Pre-supplier/manufact urer	OECD 402		
108-31-6	maleic anhydride							
	oral	LD50 mg/kg	1090	Rat	SIDS Initial Assessment Report for SIAM	OECD Guideline 401		
	dermal	LD50 mg/kg	2620	Rabbit	Toxicol. Appl. Pharmacol. 42, 417-424 (1	The method used for skin absorption toxi		

#### Irritation and corrosivity

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



# according to Regulation (EC) No 1907/2006

# PU Resin 8504/30N

Revision date: 30.06.2023

Product code: 50012

Page 7 of 11

## Sensitising effects

Contains maleic anhydride. May produce an allergic reaction.

## Carcinogenic/mutagenic/toxic effects for reproduction

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

#### STOT-single exposure

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

#### STOT-repeated exposure

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

#### Aspiration hazard

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

## 11.2. Information on other hazards

# Endocrine disrupting properties

No information available.

#### **Further information**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## **SECTION 12: Ecological information**

## 12.1. Toxicity

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

CAS No	Chemical name								
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method		
	Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phosphate and triphenyl phosphate								
	Acute fish toxicity	LC50	1,3 mg/l	96 h	Oryzias latipes (Ricefish)	Pre-supplier/manu facturer			
	Acute algae toxicity	ErC50 mg/l	0,55	72 h	Desmodesmus subspicatus	Pre-supplier/manu facturer	Regulation (EC) No. 440/2008, Annex C.3		
	Algae toxicity	NOEC mg/l	0,11	3 d	Desmodesmus subspicatus	Pre-supplier/manu facturer	Regulation (EC) No. 440/2008, Annex C.3		
	Crustacea toxicity	NOEC mg/l	0,21	21 d	Daphnia magna (Big water flea)	Pre-supplier/manu facturer			
	Acute bacteria toxicity	(EC50 mg/l)	>10000	3 h	Activated sludge	Pre-supplier/manu facturer	OECD 209		
108-31-6	maleic anhydride								
	Acute fish toxicity	LC50	75 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Pre-supplier/manu facturer			
	Acute algae toxicity	ErC50 mg/l	74,35	72 h	Raphidocelis subcapitata	REACh Registration Dossier	OECD Guideline 201		
	Acute crustacea toxicity	EC50 mg/l	42,81	48 h	Daphnia magna	REACh Registration Dossier	OECD Guideline 202		
	Crustacea toxicity	NOEC	10 mg/l	28 d	Daphnia magna (Big water flea)	Pre-supplier/manu facturer			

#### 12.2. Persistence and degradability

The product has not been tested.



# PU Resin 8504/30N

Revision date: 30.06.2023

Product code: 50012

Page 8 of 11

CAS No	Chemical name									
	Method	Method Value d Source								
	Evaluation									
	Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phosphate and triphenyl phosphate									
	OECD 301C 75 % 28									
	Readily biodegradable (according to OECD crit	eria).		-						
108-31-6	maleic anhydride									
	OECD 301B	> 90 %	28							
	Readily biodegradable (according to OECD crit	eria).								

## 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
78-40-0	triethyl phosphate	0,8
	Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate	4,5
108-31-6	maleic anhydride	-2,61

## BCF

CAS No	Chemical name	BCF	Species	Source
	Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate	220		

#### 12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

#### Further information

Avoid release to the environment.

#### **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

#### **Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

## List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste



## PU Resin 8504/30N

Revision date: 30.06.2023

Product code: 50012

Page 9 of 11

# List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

#### List of Wastes Code - contaminated packaging

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

#### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

### **SECTION 14: Transport information**

#### Land transport (ADR/RID)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation. 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation. 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation. 14.4. Packing group: No dangerous good in sense of this transport regulation. Inland waterways transport (ADN) No dangerous good in sense of this transport regulation. 14.1. UN number or ID number: 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation. 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. 14.4. Packing group: Marine transport (IMDG) 14.1. UN number or ID number: No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. 14.2. UN proper shipping name: 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. 14.4. Packing group: Air transport (ICAO-TI/IATA-DGR) 14.1. UN number or ID number: No dangerous good in sense of this transport regulation. 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation. 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation. 14.4. Packing group: No dangerous good in sense of this transport regulation. 14.5. Environmental hazards ENVIRONMENTALLY HAZARDOUS: No 14.6. Special precautions for user No dangerous good in sense of this transport regulation. 14.7. Maritime transport in bulk according to IMO instruments No dangerous good in sense of this transport regulation. **SECTION 15: Regulatory information** 

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII): Entry 75



PU Resin 8504/30N           Revision date: 30.06.2023         Product code: 50012         Page 10 of 11					
Information according to 2012/18/EU	Not subject to 2012/18/EU (SEVESO III)	Page 10 of 11			
(SEVESO III):					
National regulatory information					
Water hazard class (D):	1 - slightly hazardous to water				
15.2. Chemical safety assessment	atanaca in this mixture were not corried out				
	stances in this mixture were not carried out.				
SECTION 16: Other information					
<ul> <li>UN: United Nations</li> <li>CAS: Chemical Abstracts Service</li> <li>DNEL: Derived No Effect Level</li> <li>DMEL: Derived Minimal Effect Level</li> <li>PNEC: Predicted No Effect Concentration</li> <li>ATE: Acute toxicity estimate</li> <li>LC50: Lethal concentration, 50%</li> <li>LD50: Lethal loading, 50%</li> <li>EL50: Effect loading, 50%</li> <li>EC50: Effective Concentration 50%,</li> <li>NOEC: No Observed Effect Concentration</li> <li>BCF: Bio-concentration factor</li> <li>PBT: persistent, bioaccumulative, toxi</li> <li>vPvB: very persistent, very bioaccumu</li> <li>ADR: Accord européen sur le transpot</li> <li>(European Agreement concerning the inter</li> <li>ADN: European Agreement concerning</li> <li>MDG: International Maritime Code fo</li> <li>EmS: Emergency Schedules</li> <li>MFAG: Medical First Aid Guide</li> <li>IATA: International Civil Aviation Org</li> <li>MARPOL: International Convention for</li> </ul>	Authorization of Chemicals Classification, Labelling and Packaging of Chemicals ation growth rate ation c Jative rt des marchandises dangereuses par Route International Carriage of Dangerous Goods by Road) national carriage of dangerous goods by rail ig the International Carriage of Dangerous Goods by Inland Waterways international des marchandises dangereuses par voies de navigation r Dangerous Goods cciation anization r the Prevention of Marine Pollution from Ships ern ECHA Guidance on information requirements and chemical safety erms and abbreviations).				



# PU Resin 8504/30N

Revision date: 30.06.2023

Product code: 50012

Page 11 of 11

## Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains maleic anhydride. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

### **Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)