



according to UK REACH Regulation

#### WS-PUR ACRYL Professional 2010

Revision date: 13.03.2025 Product code: 7210 Page 1 of 11

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

#### 1.1. Product identifier

WS-PUR ACRYL Professional 2010

UFI: SS06-J9U5-9VJW-E4AX

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

#### Use of the substance/mixture

industrial paint Paint, Varnish.

#### Uses advised against

Do not use for products which come into contact with the food stuffs.

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

Company name: W+S GmbH Lackchemie und Aerosol-Technik

Street: Am Sportplatz 5

Place: D-63791 Karlstein-Dettingen

Telephone: +49 6188 9575-0 Telefax: +49 6188 9575-30

E-mail: info@ws-lackchemie.de
Contact person: Abt. Produkt / Sicherheit
Responsible Department: Abt. Produkt / Sicherheit

**1.4. Emergency telephone** +49 551-19240 GIZ-Nord Poisons Centre

number:

### **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

## **GB CLP Regulation**

Flam. Liq. 3; H226 STOT SE 3; H336 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

# 2.2. Label elements

#### **GB CLP Regulation**

## Hazard components for labelling

n-butyl acetate

Lösungsmittelnaphta, leichte aromatische, Benzolgehalt <0,1%

Signal word: Warning

Pictograms:





## **Hazard statements**

H226 Flammable liquid and vapour.H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

#### **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P370+P378 In case of fire: Use sand, dry chemical or alcohol-resistant foam to extinguish.

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# **Safety Data Sheet**

according to UK REACH Regulation

## **WS-PUR ACRYL Professional 2010**

Revision date: 13.03.2025 Product code: 7210 Page 2 of 11

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

## Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains 2,3-Epoxypropyl-neodecanoate. May produce an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe

spray or mist.

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

# 3.2. Mixtures

## Relevant ingredients

Cha

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (GB CLP Re	gulation)		
123-86-4	n-butyl acetate			20 - < 25 %
	204-658-1	607-025-00-1		
	Flam. Liq. 3, STOT SE 3; I	H226 H336 EUH066		
108-65-6	2-methoxy-1-methylethyl a	cetate		5 - < 10 %
	203-603-9	607-195-00-7		
	Flam. Liq. 3; H226	•	•	
64742-95-6	Lösungsmittelnaphta, leich	nte aromatische, Benzolgehalt <0,1	%	5 - < 10 %
	918-668-5		01-2119455851-35	
	Flam. Liq. 3, STOT SE 3, 8 H411 EUH066	hronic 2; H226 H335 H336 H304		
1330-20-7	xylene	1 - < 5 %		
	215-535-7	601-022-00-9		
	Flam. Liq. 3, Acute Tox. 4,	Acute Tox. 4, Skin Irrit. 2; H226 H3	332 H312 H315	
112-07-2	2-butoxyethyl acetate; but	1 - < 5 %		
	203-933-3	607-038-00-2		
	Acute Tox. 4, Acute Tox. 4			
100-41-4	ethylbenzene	1 - < 5 %		
	202-849-4	601-023-00-4		
	Flam. Liq. 2, Acute Tox. 4,			
13463-67-7	titanium dioxide	1 - < 5 %		
	236-675-5	022-006-00-2		
	Carc. 2; H351			
26761-45-5	2,3-Epoxypropyl-neodeca	< 1 %		
	247-979-2		01-2119431597-33	
	Muta. 2, Skin Sens. 1, Aqu			

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





according to UK REACH Regulation

#### WS-PUR ACRYL Professional 2010

Revision date: 13.03.2025 Product code: 7210 Page 3 of 11

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc.	Limits, M-factors and ATE	
108-65-6	203-603-9	2-methoxy-1-methylethyl acetate	5 - < 10 %
	dermal: LD50	= 7500 mg/kg; oral: LD50 = 8532 mg/kg	
64742-95-6	918-668-5	Lösungsmittelnaphta, leichte aromatische, Benzolgehalt <0,1%	5 - < 10 %
	inhalation: LC5	50 = 5,2 mg/l (vapours); dermal: LD50 = 3160 mg/kg; oral: LD50 = 2000 mg/kg	
1330-20-7	215-535-7	xylene	1 - < 5 %
	inhalation: ATE 1100 mg/kg	E = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE =	
112-07-2	203-933-3	2-butoxyethyl acetate; butylglycol acetate	1 - < 5 %
	inhalation: ATE 1500 mg/kg	E = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 =	
100-41-4	202-849-4	ethylbenzene	1 - < 5 %
		50 = 17,2 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: mg/kg; oral: LD50 = 3500 mg/kg	

#### **Further Information**

Full text of R-phrases: see section 16.

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

#### 4.1. Description of first aid measures

#### **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Give nothing to eat or drink.

#### After inhalation

In case of inhaling spray mists, consult a doctor immediately and show him box or label. If victim is at risk of losing consciousness, position and transport on their side. Provide fresh air.

#### After contact with skin

Remove contaminated, saturated clothing immediately. Change contaminated clothing. Wash thoroughly the body (shower or bath).

#### After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

## After ingestion

Do NOT induce vomiting. Call a physician immediately.

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

Frequently or prolonged contact with skin may cause dermal irritation.

## 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

Foam. Dry extinguishing powder. Carbon dioxide (CO2). ABC powder.

#### Unsuitable extinguishing media

High power water jet.

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

Burning produces heavy smoke. In case of fire and/or explosion do not breathe fumes. Use water spray jet to



W+S GmbH Lackchemie und Aerosol-Technik

according to UK REACH Regulation

#### WS-PUR ACRYL Professional 2010

Revision date: 13.03.2025 Product code: 7210 Page 4 of 11

protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately.

## **Additional information**

Contaminated fire-fighting water must be collected separately. Remove product from area of fire. Co-ordinate fire-fighting measures to the fire surroundings.

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

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

#### General advice

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

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

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

#### Other information

Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

See protective measures under point 7 and 8.

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

## 7.1. Precautions for safe handling

### Advice on safe handling

It is recommended to design all work processes always so that the following is excluded: inhalation. skin contact. Eye contact. Take precautionary measures against static discharges.

## Advice on protection against fire and explosion

Vapours may form explosive mixtures with air.

## Advice on general occupational hygiene

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

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

### Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Take precautionary measures against static discharges.

#### Hints on joint storage

Materials to avoid: Acid. Base. Material, combustible. Oxidizing agents.

# Further information on storage conditions

Keep away from sources of ignition - No smoking. Protect against: heat. Keep/Store only in original container.

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

#### 8.1. Control parameters



#### W+S GmbH Lackchemie und Aerosol-Technik

## **Safety Data Sheet**

according to UK REACH Regulation

### WS-PUR ACRYL Professional 2010

Revision date: 13.03.2025 Product code: 7210 Page 5 of 11

### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
108-65-6	1-Methoxypropyl acetate	50	274		TWA (8 h)	WEL
		100	548		STEL (15 min)	WEL
112-07-2	2-Butoxyethyl acetate	20	133		TWA (8 h)	WEL
		50	332		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		STEL (15 min)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

### **Biological Monitoring Guidance Values (EH40)**

CAS No Sub	ıbstance	Parameter	Value	Test material	Sampling time
1330-20-7 Xyle	′ ′ ′ ′ ′ ′ ′ ′ ′ ′ ′ ′ ′ ′ ′ ′ ′ ′ ′ ′	methyl hippuric acid (creatinine)	650 mmol/mol		Post shift

## 8.2. Exposure controls

#### Appropriate engineering controls

Occupational exposure controls: Refer to chapter 7. No further action is necessary.

## Individual protection measures, such as personal protective equipment

## Eye/face protection

Suitable eye protection: Framed glasses. Goggles.

#### Hand protection

Tested protective gloves are to be worn:

Suitable material: NBR (Nitrile rubber). , Butyl rubber.

Thickness of glove material: >0,4mm

penetration time (maximum wearing period): >480min

DIN-/EN-Norms EN ISO 374

### Skin protection

Suitable protective clothing: Lab apron.

## Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values insufficient ventilation. insufficient absorbtion.

# **Environmental exposure controls**

Refer to chapter 7 No further action is necessary.

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

## 9.1. Information on basic physical and chemical properties

Physical state: liquid

Colour: characteristic

Odour: hydrocarbons, aromatic.

Odour threshold: not determined

Test method

Melting point/freezing point: not determined



#### W+S GmbH Lackchemie und Aerosol-Technik

## **Safety Data Sheet**

according to UK REACH Regulation

### WS-PUR ACRYL Professional 2010

Revision date: 13.03.2025 Product code: 7210 Page 6 of 11

Boiling point or initial boiling point and 126 °C

boiling range:

Lower explosion limits: 1,2 vol. % Upper explosion limits: 7,5 vol. %

Flash point: 30 °C DIN 53213 Auto-ignition temperature: 315 °C DIN 51794

pH-Value: not applicable
Partition coefficient n-octanol/water: not determined

Density (at 20 °C): 1,09 g/cm<sup>3</sup> DIN 53217

9.2. Other information

Other safety characteristics

Solvent content: VOCV (CH): 42,87 % VOC (EU): 467,3g/l

Solid content: 57,1 %

Softening point: DIN 52025 Flow time: 140s 4 DIN 53211

(at 20 °C)

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

#### 10.2. Chemical stability

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

## 10.3. Possibility of hazardous reactions

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

### 10.4. Conditions to avoid

Conditions to avoid:

In case of warming: Danger of bursting container.

### 10.5. Incompatible materials

Alkalis (alkalis). Acid. Oxidizing agents.

## 10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

## **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in GB CLP Regulation

## **Acute toxicity**

Toxicological data are not available.

## **ATEmix** calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l





according to UK REACH Regulation

## **WS-PUR ACRYL Professional 2010**

Revision date: 13.03.2025 Product code: 7210 Page 7 of 11

CAS No	Chemical name								
	Exposure route	Dose		Species	Source	Method			
108-65-6	2-methoxy-1-methylethy	2-methoxy-1-methylethyl acetate							
	oral	LD50 mg/kg	8532	Rat	RTECS				
	dermal	LD50 mg/kg	7500	Rabbit					
64742-95-6	Lösungsmittelnaphta, lei	chte aroma	tische, Benzo	lgehalt <0,1%					
	oral	LD50 mg/kg	2000	Rat					
	dermal	LD50 mg/kg	3160	Rabbit.					
	inhalation (4 h) vapour	LC50	5,2 mg/l	Rat					
1330-20-7	xylene								
	dermal	ATE mg/kg	1100						
	inhalation vapour	ATE	11 mg/l						
	inhalation dust/mist	ATE	1,5 mg/l						
112-07-2	2-butoxyethyl acetate; butylglycol acetate								
	dermal	LD50 mg/kg	1500	Rabbit	RTECS				
	inhalation vapour	ATE	11 mg/l						
	inhalation dust/mist	ATE	1,5 mg/l						
100-41-4	ethylbenzene	ethylbenzene							
	oral	LD50 mg/kg	3500	Rat	GESTIS				
	dermal	LD50 mg/kg	15400	Rabbit	GESTIS				
	inhalation (4 h) vapour	LC50	17,2 mg/l	Rat					
	inhalation dust/mist	ATE	1,5 mg/l						

## Irritation and corrosivity

Evaluation: non-irritant.

# STOT-repeated exposure

Has de-greasing effect on the skin.

## Specific effects in experiment on an animal

Rat LD50: 4300 - 5800 mg/kg Acute toxicity, oral

Data apply to the main component.

# 11.2. Information on other hazards

### **Further information**

Toxicological data are not available.

# **SECTION 12: Ecological information**

## 12.1. Toxicity

Doesn't get into the sewage water as long as the process is carried out according to regulations. Very toxic for Water fleas.





according to UK REACH Regulation

#### WS-PUR ACRYL Professional 2010

Revision date: 13.03.2025 Product code: 7210 Page 8 of 11

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
108-65-6	2-methoxy-1-methylethyl	2-methoxy-1-methylethyl acetate					
	Acute fish toxicity	LC50	161 mg/l	96 h	Pimephales promelas		
	Acute crustacea toxicity	EC50	408 mg/l	48 h	Daphnia magna		
112-07-2	2-butoxyethyl acetate; butylglycol acetate						
	Acute algae toxicity	ErC50 mg/l	> 500		Desmodesmus subspicatus	IUCLID	
	Acute crustacea toxicity	EC50	37 mg/l	48 h	Daphnia magna		
100-41-4	ethylbenzene						
	Acute fish toxicity	LC50	4,2 mg/l	96 h	Oncorhynchus mykiss	ECHA	
	Acute algae toxicity	ErC50	3,6 mg/l	96 h	Algen	GESTIS	

### 12.2. Persistence and degradability

No data available

## 12.3. Bioaccumulative potential

No data available

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
108-65-6	2-methoxy-1-methylethyl acetate	0,43
112-07-2	2-butoxyethyl acetate; butylglycol acetate	1,51
100-41-4	ethylbenzene	3,15

## 12.4. Mobility in soil

No data available

## 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH. No data available

## 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 data available

#### **Further information**

Do not allow uncontrolled leakage of product into the environment.

## **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

## List of Wastes Code - residues/unused products

 $080111 \qquad \text{WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF} \\$ 

COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish

containing organic solvents or other hazardous substances; hazardous waste

#### List of Wastes Code - used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF

COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish

containing organic solvents or other hazardous substances; hazardous waste





according to UK REACH Regulation

## WS-PUR ACRYL Professional 2010

Revision date: 13.03.2025 Product code: 7210 Page 9 of 11

#### List of Wastes Code - contaminated packaging

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF

COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish

containing organic solvents or other hazardous substances; hazardous waste

#### Contaminated packaging

Hand over to officially registered waste disposal company.

## **SECTION 14: Transport information**

#### Land transport (ADR/RID)

14.1. UN number or ID number:UN 126314.2. UN proper shipping name:PAINT14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Classification code: F1

Special Provisions: 163 367 650

Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

#### Other applicable information (land transport)

If this product is transportet in containers of a maximum capacity of 450 I according to ADR/RID No. 2.2.3.1.5., it is not referred to as a dangerous good in terms of transport regulations.

## Inland waterways transport (ADN)

14.1. UN number or ID number:UN 126314.2. UN proper shipping name:Paint14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Classification code: F1

Special Provisions: 163 367 650

Limited quantity: 5 L Excepted quantity: E1

# Other applicable information (inland waterways transport)

If this product is transportet in containers of a maximum capacity of 450 I according to ADR/RID No. 2.2.3.1.5., it is not referred to as a dangerous good in terms of transport regulations.

## Marine transport (IMDG)

14.1. UN number or ID number:UN 126314.2. UN proper shipping name:PAINT14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3





according to UK REACH Regulation

### WS-PUR ACRYL Professional 2010

Revision date: 13.03.2025 Product code: 7210 Page 10 of 11



Special Provisions: 163, 223, 367, 955

Limited quantity: 5 L

Excepted quantity: E1

EmS: F-E, S-E

Other applicable information (marine transport)

Transport in accordance with paragraph 2.3.2.5 of the IMDG Code.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:UN 126314.2. UN proper shipping name:PAINT14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Special Provisions: A3 A72 A192

Limited quantity Passenger: 10 L
Passenger LQ: Y344
Excepted quantity: E1

IATA-packing instructions - Passenger:355IATA-max. quantity - Passenger:60 LIATA-packing instructions - Cargo:366IATA-max. quantity - Cargo:220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

## 14.7. Maritime transport in bulk according to IMO instruments

No information available.

#### **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 3, Entry 28, Entry 40, Entry 75

Directive 2004/42/EC on VOC in VOCV (CH): 42,87 % paints and varnishes: VOC (EU): 467,3g/l

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or

nursing mothers.

Water hazard class (D): 3 - highly hazardous to water

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.



#### W+S GmbH Lackchemie und Aerosol-Technik

## **Safety Data Sheet**

according to UK REACH Regulation

#### WS-PUR ACRYL Professional 2010

Revision date: 13.03.2025 Product code: 7210 Page 11 of 11

#### **SECTION 16: Other information**

#### Abbreviations and acronyms

Flam. Liq: Flammable liquids Acute Tox: Acute toxicity Asp. Tox: Aspiration hazard Skin Irrit: Skin irritation Skin Sens: Skin sensitisation Muta: Germ cell mutagenicity Carc: Carcinogenicity

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

Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to GB CLP Regulation

Highly flammable liquid and vapour.

Classification	Classification procedure				
Flam. Liq. 3; H226	On basis of test data				
STOT SE 3; H336	Calculation method				
Aquatic Chronic 3; H412	Calculation method				

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

-	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains 2,3-Epoxypropyl-neodecanoate. May produce an allergic reaction.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

#### **Further Information**

H225

The product is classified and labelled according to EC directives or corresponding national laws.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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