according to Regulation (EC) No 1907/2006

#### bluu «Ohne Duft»

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

### 1.1. Product identifier

bluu «Ohne Duft»

Further trade names

UFI: PHRJ-HCAY-6V27-6ETM (European Economic Area); V130-G0W7-T00P-1TQY (Switzerland)

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

## Use of the substance/mixture

Laundry detergent

## Uses advised against

Any non-intended use.

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

Company name: bluu AG

Street: Hohlstrasse 176
Place: CH-8004 Zürich
Telephone: +41 (0)44 500 66 16
e-mail: hello@bluuwash.com
Internet: www.bluuwash.com

Responsible Department:

Dr. Gans-Eichler

e-mail: info@tge-consult.de

Chemieberatung GmbH Tel.: +49(0)2534/41594-0 Otto-Hahn-Str. 36 www.tge-consult.de

D-48161 Münster

**1.4. Emergency telephone** +41 (0) 44 500 66 16 (Mo-Fr 9:00 - 17:00)

number:

#### **Further Information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

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

## 2.1. Classification of the substance or mixture

## Regulation (EC) No 1272/2008

Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

# 2.2. Label elements

# Regulation (EC) No 1272/2008

### Hazard components for labelling

sodium dodecyl sulphate

Signal word: Danger

Pictograms:





according to Regulation (EC) No 1907/2006

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#### **Hazard statements**

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eve damage.

H412 Harmful to aquatic life with long lasting effects.

#### **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.
P273 Avoid release to the environment.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P501 Dispose of contents/container to local/regional/national/international regulations.

### 2.3. Other hazards

The substances in the mixture (>0,1%) do not meet the PBT/vPvB criteria according to REACH, annex XIII. This product does not contain a substance (> 0,1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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

#### 3.2. Mixtures

#### **Hazardous components**

CAS No	Chemical name			
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No	1272/2008)		
151-21-3	sodium dodecyl sulphate			40 - 70 %
	205-788-1			
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H302 H315 H318 H412			
68213-23-0 Alcohols, C12-18, ethoxylated				15 - 20 %
	500-201-8			
	Aquatic Acute 1, Aquatic Chronic 3; H400 H412			

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. I	onc. Limits, M-factors and ATE	
151-21-3	205-788-1	88-1 sodium dodecyl sulphate	
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1200 mg/kg	
68213-23-0	500-201-8 Alcohols, C12-18, ethoxylated		15 - 20 %
	dermal: LD50 =	= 2000 mg/kg; oral: LD50 = > 5050 mg/kg	

# Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % anionic surfactants, 15 % - < 30 % non-ionic surfactants.

## **Further Information**

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

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

# 4.1. Description of first aid measures

according to Regulation (EC) No 1907/2006

#### bluu «Ohne Duft»

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#### **General information**

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

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

#### After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

#### 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.

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

The product itself does not burn.

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2).

### 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.

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

Safe handling: see section 7

### For non-emergency personnel

Wear personal protection equipment (refer to section 8).

## For emergency responders

No special measures are necessary.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Eliminate leaks immediately.

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

### For containment

Take up mechanically.

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

# For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

according to Regulation (EC) No 1907/2006

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#### 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

Wear suitable protective clothing. See section 8.

## Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Advice on general occupational hygiene

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work. Avoid contact with eyes and skin.

#### Further information on handling

Avoid generation of dust.

General protection and hygiene measures: refer to chapter 8

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

#### Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

### Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

Recommended storage temperature: 20°C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

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

See section 1.

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

#### 8.1. Control parameters

### Additional advice on limit values

To date, no national critical limit values exist.

## 8.2. Exposure controls





#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

#### Individual protection measures, such as personal protective equipment

## Eye/face protection

Protective equipment only required during manufacture of the product.

Wear safety glasses; chemical goggles (if splashing is possible). EN 166

according to Regulation (EC) No 1907/2006

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#### Hand protection

Protective equipment only required during manufacture of the product.

Wear suitable gloves.

Suitable material:

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time >= 8 h

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard

EN 374 derived from it.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Skin protection

Protective equipment only required during manufacture of the product.

Suitable protective clothing: Work clothing with long sleeves

Minimum standard for preventive measures while handling with working materials are specified in the TRGS

### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

#### **Environmental exposure controls**

Do not allow uncontrolled discharge of product into the environment.

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

## 9.1. Information on basic physical and chemical properties

Physical state: liquid on carrier material

Colour: white odourless Odour: Odour threshold: not determined

#### Changes in the physical state

Melting point/freezing point: not determined Boiling point or initial boiling point and not determined

boiling range:

Sublimation point: not determined not determined Softening point: not determined Pour point: not determined Flash point:

**Flammability** 

Solid/liquid: not determined

**Explosive properties** 

none

Lower explosion limits: not determined Upper explosion limits: not determined Auto-ignition temperature: 245 - 310 °C

Self-ignition temperature

Viscosity / kinematic:

not determined Gas: not determined Decomposition temperature: pH-Value: 7,0 - 7,8 (aqueous solution, 10 %) not determined Viscosity / dynamic: not determined

according to Regulation (EC) No 1907/2006

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Flow time: not determined Water solubility: easily soluble

Solubility in other solvents

not determined

Dissolution rate: not relevant Partition coefficient n-octanol/water: SECTION 12: Ecological information Dispersion stability: not relevant not determined Vapour pressure: not determined Density: Bulk density: not determined Relative vapour density: not determined Particle characteristics: not determinedNo information available.

#### 9.2. Other information

#### Information with regard to physical hazard classes

Sustaining combustion: Not sustaining combustion

Oxidizing properties

none

#### Other safety characteristics

Solvent separation test: not determined

Solvent content: Organic solvents: 0 %

Water: 5 % - 10 %

Solid content: not determined Evaporation rate: not determined

**Further Information**No information available.

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

### 10.1. Reactivity

No information available.

#### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Refer to chapter 10.5.

### 10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

### 10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

## 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

# **SECTION 11: Toxicological information**

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

### Toxicocinetics, metabolism and distribution

No data available.

according to Regulation (EC) No 1907/2006

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#### **Acute toxicity**

Harmful if swallowed.

#### **ATEmix** calculated

ATE (oral) 1714,3 mg/kg

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
151-21-3	sodium dodecyl sulphate					
	oral	LD50 mg/kg	1200	Rat	ECHA Dossier	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rat	ECHA Dossier	OECD Guideline 402
68213-23-0	Alcohols, C12-18, ethoxylated					
	oral	LD50 mg/kg	> 5050	Rat		
	dermal	LD50 mg/kg	2000	Rat		

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

sodium dodecyl sulphate:

Serious eye damage/eye irritation: Eye Dam. 1:

Specific concentration limit (SCL): >=20%

Irritant effect on the eye:

Eye Irrit. 2 - Specific concentration limit (SCL): >=10 %

#### Sensitising effects

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

# Carcinogenic/mutagenic/toxic effects for reproduction

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

sodium dodecyl sulphate:

In vitro mutagenicity/genotoxicity: Method: OECD 471 (Ames test). Result: negative. In vivo

mutagenicity/genotoxicity: Method: OECD 478. Species: Mouse. Result / evaluation: negative. Carcinogenicity: Method OECD 453. Species: Rat. Result: NOAEL = 1125 mg/kg bw/day. Literature information: ECHA Dossier

### 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.

sodium dodecyl sulphate:

Subchronic oral toxicity: Method: OECD 408. Species: Rat. Exposure duration: 90d.

Result: NOAEL = 488 mg/kg bw/day. Literature information : ECHA Dossier

#### **Aspiration hazard**

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

### Specific effects in experiment on an animal

No data available.

## 11.2. Information on other hazards

# **Endocrine disrupting properties**

This product does not contain a substance (> 0,1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

according to Regulation (EC) No 1907/2006

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#### Other information

No data available.

# **SECTION 12: Ecological information**

## 12.1. Toxicity

The product has not been tested.

CAS No	Chemical name								
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method		
151-21-3	sodium dodecyl sulphate								
	Acute fish toxicity	LC50	29 mg/l	96 h	Pimephales promelas	ECHA Dossier	OECD Guideline 203		
	Acute algae toxicity	ErC50 mg/l	> 120	72 h	Desmodesmus subspicatus	ECHA Dossier	DIN 38412, part 9		
	Acute crustacea toxicity	EC50 mg/l	3,15	48 h	Artemia salina	ECHA Dossier			
	Fish toxicity	NOEC mg/l	>= 1,357	42 d	Pimephales promelas	Bulletin of Environmental Contamination			
	Crustacea toxicity	NOEC mg/l	0,88	7 d	Ceriodaphnia dubia	Environmental Toxicology and Water Quali	EPA-600/489/001		
	Acute bacteria toxicity	(EC50 mg/l)	135	3 h	activated sludge of a predominantly domestic sewag	Water Research 17(10): 1363-1368 (1983)			
68213-23-0	Alcohols, C12-18, ethoxylated								
	Acute fish toxicity	LC50 1,20 mg/l	0,876 -	96 h					
	Acute algae toxicity	ErC50 0,41 mg/l	0,19 -	72 h					
	Acute crustacea toxicity	EC50	2,7 mg/l	48 h					
	Fish toxicity	NOEC 0,33 mg/l	0,11 -	30 d					
	Algae toxicity	NOEC 0,714 mg/l	0,078 -	3 d					
	Crustacea toxicity	NOEC 1,75 mg/l	0,77 -	21 d					

# 12.2. Persistence and degradability

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

CAS No	Chemical name				
	Method Value d Source				
	Evaluation	-			
151-21-3	sodium dodecyl sulphate				
	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C	95%	28	ECHA Dossier	
	Readily biodegradable (according to OECD criteria).				

## 12.3. Bioaccumulative potential

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

## Partition coefficient n-octanol/water

CAS No	Chemical name	Log	g Pow	7
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according to Regulation (EC) No 1907/2006

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151-21-3	sodium dodecyl sulphate			0		
BCF	•			· · · · · · · · · · · · · · · · · · ·		
CAS No	Chemical name	BCF	Species	Source		
151-21-3	sodium dodecyl sulphate	ca. 4	Cyprinus carpio	REACh Registration D		

## 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 REACH, annex XIII. The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

#### 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.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

#### 12.7. Other adverse effects

No data available.

#### **Further information**

Do not allow to enter into surface water or drains.

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

## **Disposal recommendations**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

## List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease,

soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

#### List of Wastes Code - used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease,

soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

# List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by

hazardous substances; hazardous waste

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

#### **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)

according to Regulation (EC) No 1907/2006

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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.

Marine transport (IMDG)

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.

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

refer to chapter 6 - 8

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

not relevant

## **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

2010/75/EU (VOC): 0% 2004/42/EC (VOC): 0%

Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III)

(SEVESO III):

#### **Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 3

#### **National regulatory information**

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

work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

# **SECTION 16: Other information**

# Changes

Rev. 1.0; Initial release: 27.09.2022

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement

concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

according to Regulation (EC) No 1907/2006

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CLP: Classification, Labelling and Packaging of substances and mixtures

**DNEL: Derived No Effect Level** 

d: day(s)

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European LIst of Notified Chemical Substances

ECHA: European Chemicals Agency EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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

ICAO: International Civil Aviation Organization

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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

h: hour

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect concentration

NLP: No-Longer Polymers N/A: not applicable

OECD: Organisation for Economic Co-operation and Development

PNEC: predicted no effect concentration PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

REACH: Registration, Evaluation, Authorisation of Chemicals

SVHC: substance of very high concern TRGS: Technische Regeln für Gefahrstoffe

**UN: United Nations** 

VOC: Volatile Organic Compounds

## Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

	<u> </u>
Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Aquatic Chronic 3; H412	Calculation method

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

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

#### **Further Information**

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:

Health hazards: Calculation method. Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our

according to Regulation (EC) No 1907/2006

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