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Printing date 12.03.2019 Revision: 12.03.2019 Version number 41 Safety data sheet according to 1907/2006/EC, Article 31

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

#### **1.1 Product identifier**

#### Trade name: BODY 282 FLYLITE POLYESTER FILLER

Article number: 588

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

Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites Product category PC9b Fillers, putties, plasters, modelling clay Process category PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Environmental release category ERC2 Formulation into mixture Article category AC1 Vehicles Application of the substance / the mixture Coating compound/ Surface coating/ paint Surface protection

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

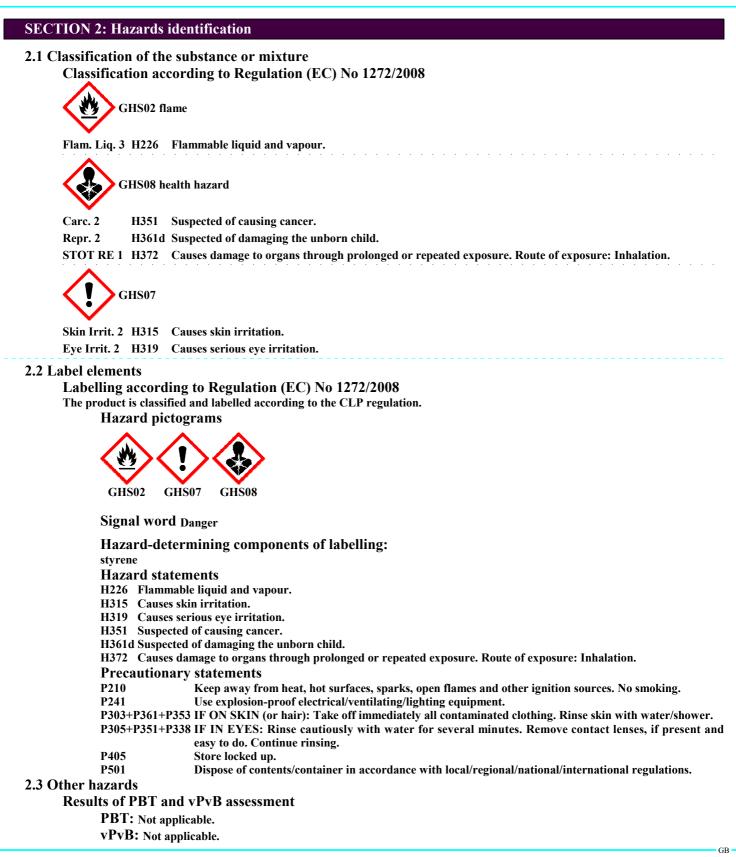
Manufacturer/Supplier: HB BODY S.A. B' ENTRANCE BLOCK 50 DA9 & MB6 Str THESSALONIKI INDUSTRIAL AREA 57.022, SINDOS THESSALONIKI,GREECE Ph: +30 2310 790 000 Fax: +30 2310 790 033 www.hbbody.com email: hbbody@hbbody.com

Further information obtainable from: HB BODY S.A. B' ENTRANCE BLOCK 50 DA9 & MB6 Str THESSALONIKI INDUSTRIAL AREA 57.022, SINDOS THESSALONIKI,GREECE Ph: +30 2310 790 000 Fax: +30 2310 790 033 www.hbbody.com email: hbbody@hbbody.com 1.4 Emergency telephone number:

Regional Medicines and Poisons Information Centre NI Pharmacy Department, Royal Hospital Suite Grosvenor Road Belfast Telephone: +44 28 90 63 2032 Fax: +44 28 90 24 80 30 Emergency telephone: 844 892 0111 E-mail address: nirdic.nirdic@belfasttrust.hscni.net

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Safety data sheet

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

#### **3.2 Chemical characterisation: Mixtures**

Description: Mixture of hazardous substances

Dangerous compone	nts:		
CAS: 100-42-5 EINECS: 202-851-5 Index number: 601-026-00-0 RTECS: WL 3675000 Reg.nr.: 01-2119457861-32-0011 01-2119457861-32-0009		<ul> <li>Flam. Liq. 3, H226</li> <li>Carc. 2, H351; Repr. 2, H361d; STOT RE 1, H372</li> <li>Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319</li> </ul>	15-<20%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 RTECS: AH 5425000 Reg.nr.: 05-2115809633-47-0000	ethyl acetate	<ul> <li>Flam. Liq. 2, H225</li> <li>Eye Irrit. 2, H319; STOT SE 3, H336</li> </ul>	<2.5%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide	🗞 Carc. 2, H351	≥0.1-<2.5%

Additional information: For the wording of the listed hazard phrases refer to section 16.

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

#### 4.1 Description of first aid measures

**General information:** 

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. After inhalation: In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contanct lenses in case of eye contamination and irrigae copiously with clean water for at least 15 minutes trying to hold the eye lids open. After swallowing: If symptoms persist consult doctor.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced. 5.3 Advice for firefighters

Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products

#### Speial protective equipment and fire fighting procedures:

Mouth respiratory protective device.

Firefighters should wear full protective flameproof clothing and self contained breathing apparatus for the firefighter if necessary. In the event of any fire try cool down the tanks with water spray. If possible do not allow the water used by firefighters to enter the drains or come in any contact with the water supply lines for the public. Always seek as appropriate.

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

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

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

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

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#### 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water. 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

# **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.

event formation of aerosols.

**Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

7.3 Specific end use(s) No further relevant information available.

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

Additional information about design of technical facilities: No further data; see item 7.

#### **8.1** Control parameters

Ingredients with limit values that require monitoring at the workplace:

#### 100-42-5 styrene

WEL Short-term value: 1080 mg/m<sup>3</sup>, 250 ppm

Long-term value: 430 mg/m<sup>3</sup>, 100 ppm

141-78-6 ethyl acetate

WEL Short-term value: 1468 mg/m<sup>3</sup>, 400 ppm Long-term value: 734 mg/m<sup>3</sup>, 200 ppm

Additional information: The lists valid during the making were used as basis.

## 8.2 Exposure controls

## Personal protective equipment:

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin. Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use selfcontained respiratory protective device.

**Protection of hands:** 



Protective gloves

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

The breakthough time of gloves is unknown for this product itself. The glove material that can be used is recommended on the baseis of the different substances in the preparation.

For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Rubber gloves

Eye protection:



Tightly sealed goggles

Body protection: Protective work clothing

9.1 Information on basic physical and chen	nical properties
General Information	* *
Appearance:	
Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/freezing point: Initial boiling point and boiling	Undetermined. g range: 145.2 °C
Flash point:	23 - 60 °C
Flammability (solid, gas):	Not applicable.
Autoignition temperature:	480 °C
<b>Decomposition temperature:</b>	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Risk of explosion by shock, friction, fire or other sources of ignition.
Explosion limits:	
Lower:	1.2 Vol %
Upper:	8.9 Vol %
Vapour pressure at 20 °C:	6 hPa

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Density at 20 °C:	1.09 g/cm <sup>3</sup>	
<b>Relative density</b>	Not determined.	
Vapour density	Not determined.	
<b>Evaporation rate</b>	Not determined.	
Solubility in / Miscibility with		
water:	Not miscible or difficult to mix.	
Partition coefficient: n-octanol/	water: Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
<b>Organic solvents:</b>	17.1 %	
VOC (EC)	200.0 g/l	
Solids content (volume):	58.7 %	
9.2 Other information	No further relevant information available.	

# **SECTION 10: Stability and reactivity**

**10.1 Reactivity** No further relevant information available.

**10.2** Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

# **SECTION 11: Toxicological information**

**11.1 Information on toxicological effects** 

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

## LD/LC50 values relevant for classification:

471-34-1 c	alcium car	bonate
Oral	LD50	6,450 mg/kg (rat)
100-42-5 s	tyrene	
Oral LD50 5,000 mg/kg (rat)		
Inhalative LC50/4 h 24 mg/l (rat)		
141-78-6 e	thyl acetat	e
Oral	LD50	5,620 mg/kg (rabbit)
Inhalative LC50/4 h 1,600 mg/l (rat)		
13463-67-7	7 titanium	dioxide
Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)
	Prim	ary irritant effect:
		Skin corrosion/irritation
		Causes skin irritation.
		Serious eye damage/irritation
	р	Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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CMR effects (carcinogenity, mutagenicity and toxicity for reproduction	1)
Germ cell mutagenicity Based on available data, the classification criteria a	are not met.
Carcinogenicity	

Suspected of causing cancer.

**Reproductive toxicity** 

Suspected of damaging the unborn child.

STOT-single exposure Based on available data, the classification criteria are not met.

# **STOT-repeated exposure**

Causes damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.

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

#### **SECTION 12: Ecological information**

#### 12.1 Toxicity

## Aquatic toxicity:

This product is not toxic for the aquatic life. Nevertheless do not dispose the product or any cleaning solvents used along with this product into the sea

#### 12.2 Persistence and degradability

This prouduct contains polyesteric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

**General notes:** 

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

## 12.5 Results of PBT and vPvB assessment

**PBT:** This product contains no substance that is considered to be persistent, bioaccumulating or non toxic(PBT).

vPvB: This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).

## 12.6 Other adverse effects No further relevant information available.

## **SECTION 13: Disposal considerations**

#### **13.1 Waste treatment methods**

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

	European waste catalogue
HP 3	Flammable
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 7	Carcinogenic
HP 10	Toxic for reproduction

Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information		
14.1 UN-Number		
ADR, IMDG, IATA	UN1263	
14.2 UN proper shipping name		
ADR	UN1263 PAINT	
IMDG, IATA	PAINT	

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14.3 Transport hazard class(es)	
ADR	
Class Label	3 (F1) Flammable liquids. 3
IMDG, IATA	
Class Label	3 Flammable liquids. 3
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Danger code (Kemler): EMS Number: Stowage Category	Warning: Flammable liquids. 30 F-E, <u>S-E</u> A
14.7 Transport in bulk according to Annex II o Marpol and the IBC Code	f Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000
<b>Transport category</b>	3
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000
UN "Model Regulation":	UN 1263 PAINT, 3, III

# **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture None of the ingredients is listed.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed. Seveso category P5c FLAMMABLE LIQUIDS Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

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# Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

## **SECTION 16: Other information**

This information is based on our current knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### **Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.

#### Department issuing SDS: Department of Quality Control

**Contact: HB BODY S.A** Ms Olympia Stamkou Ph: +30 2310 790 032 fax: +30 2310 790 033 email: stamkou@hbbody.com Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) **IMDG: International Maritime Code for Dangerous Goods** IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids - Category 2 Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity - Category 4 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Carc. 2: Carcinogenicity - Category 2 Repr. 2: Reproductive toxicity - Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) - Category 1 \* Data compared to the previous version altered.

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## Annex: Exposure scenario 1 Short title of the exposure scenario Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites Product category PC9b Fillers, putties, plasters, modelling clay Process category PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Article category AC1 Vehicles Environmental release category ERC2 Formulation into mixture Description of the activities / processes covered in the Exposure Scenario See section 1 of the annex to the Safety Data Sheet. Conditions of use According to directions for use. **Duration and frequency** Frequency of use: **Physical parameters** The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation. **Physical state Fluid** Concentration of the substance in the mixture The substance is main component. Used amount per time or activity According to directions for use. Other operational conditions Other operational conditions affecting environmental exposure No special measures required. Other operational conditions affecting worker exposure Avoid contact with eves. Avoid contact with the skin. Do not breathe gas/vapour/aerosol. Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking. Other operational conditions affecting consumer exposure No special measures required. Other operational conditions affecting consumer exposure during the use of the product Not applicable. **Risk management measures** Worker protection **Organisational protective measures** Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device. **Technical protective measures** Ensure that suitable extractors are available on processing machines Provide explosion-proof electrical equipment. **Personal protective measures** Do not inhale gases / fumes / aerosols. Avoid contact with the skin. Avoid contact with the eyes. **Tightly sealed goggles** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use selfcontained respiratory protective device. Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Pregnant women should strictly avoid inhalation or skin contact. **Measures for consumer protection** Ensure adequate labelling. Observe consumer information and advice on safe use. **Environmental protection measures** Water Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point. Soil The product is only processed over the concrete collecting basin. Disposal measures Ensure that waste is collected and contained. Disposal procedures Must not be disposed together with household garbage. Do not allow product to reach sewage system. (Contd. on page 11)

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Waste type Partially emptied and uncleaned packaging Exposure estimation

**Consumer** This product is to be used by professional technitians only.

Guidance for downstream users

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.

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Description of the activities / processes covered in the Exposure Scenario
See section 1 of the annex to the Safety Data Sheet.
Conditions of use According to directions for use.
Duration and frequency Frequency of use:
Physical parameters
The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.
Physical state Fluid
Concentration of the substance in the mixture Raw material.
Other operational conditions
Other operational conditions affecting environmental exposure No special measures required.
Other operational conditions affecting worker exposure Avoid contact with eyes.
Avoid contact with the skin.
Do not breathe gas/vapour/aerosol.
Take precautionary measures against static discharge.
Keep away from sources of ignition - No smoking.
Other operational conditions affecting consumer exposure No special measures required.
Other operational conditions affecting consumer exposure during the use of the product Not applicable.
Risk management measures
Worker protection
Organisational protective measures
Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures ar insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protectiv device.
Technical protective measures
Provide explosion-proof electrical equipment.
Ensure that suitable extractors are available on processing machines
Personal protective measures
Do not inhale gases / fumes / aerosols. Avoid contact with the skin.
Avoid contact with the eyes.
Pregnant women should strictly avoid inhalation or skin contact.
Tightly sealed goggles
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self
contained respiratory protective device. Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemica
mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Measures for consumer protection Ensure adequate labelling.
Observe consumer information and advice on safe use.
Environmental protection measures
Water
Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collectio
point.
Soil The product is only processed over the concrete collecting basin.
Disposal measures Ensure that waste is collected and contained.
Disposal procedures Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Waste type Partially emptied and uncleaned packaging
Exposure estimation
<b>Consumer</b> This product is to be used by professional technitians only.
Guidance for downstream users
Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.