



Page 1/11

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Version number 29

Safety data sheet  
according to 1907/2006/EC, Article 31

Hazardous according to criteria of Australian Safety and Compensation Council

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

### 1.1 Product identifier

Trade name: **BODY 930 BITUMEN UNDERBODY COATING 1KG**

Article number: 269

### 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

PC9a Coatings and paints, thinners, paint removers

PC14 Metal surface treatment products, including galvanic and electroplating products

Process category

PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

Environmental release category ERC2 Formulation of preparations

Article category AC1 Vehicles

Application of the substance / the mixture

Sealant

Surface protection

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

Manufacturer/Supplier:

H.B. BODY S.A

B' ENTRANCE BLOCK 50 DA9 & MB6 Str

THESSALONIKI INDUSTRIAL AREA

57.022, SINDOS

THESSALONIKI,GREECE

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### 1.4 Emergency telephone number:

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131 126, New Zeland 0800 764 766.

Trade name: BODY 930 BITUMEN UNDERBODY COATING 1KG

(Contd. of page 1)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



health hazard

Repr. 2 H361d Suspected of damaging the unborn child.

STOT RE 2 H373 May cause damage to the central nervous system through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



Skin Irrit. 2 H315 Causes skin irritation.

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS02



GHS07



GHS08

Signal word Danger

Hazard-determining components of labelling:

toluene

**Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H361d Suspected of damaging the unborn child.

H373 May cause damage to the central nervous system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

**Precautionary statements**

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

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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(Contd. on page 3)

Trade name: BODY 930 BITUMEN UNDERBODY COATING 1KG

(Contd. of page 2)

**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures****Description:** Mixture of hazardous substances**Dangerous components:**

CAS: 8052-42-4 EINECS: 232-490-9 RTECS: CI 9900000	Asphalt substance with a Community workplace exposure limit	40 - <45%
CAS: 471-34-1 EINECS: 207-439-9 RTECS: EV 9580000	calcium carbonate substance with a Community workplace exposure limit	20 - <25%
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3 RTECS: XS 5250000 Reg.nr.: 01-2119471310-51-0000 01-2119471310-51-0003 01-2119471310-51-0005 01-2119471310-51-0002 01-2119471310-51-0027	toluene ⚠ Flam. Liq. 2, H225 ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	10 - <15%
CAS: 64742-82-1 EINECS: 265-185-4 Index number: 649-330-00-2 Reg.nr.: 01-2119458049-33-0002	Low boiling point hydrogen treated naphtha ⚠ STOT RE 1, H372; Asp. Tox. 1, H304	1-<2.5%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 RTECS: AL 3150000 Reg.nr.: 01-2119471330-49-0001	acetone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	1-<2.5%

**Additional information:** For the wording of the listed risk phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.**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:**General aqueous film forming foam, Carbon dioxide (CO<sub>2</sub>), dry chemical extinguishing powder or water spray. Do not use water.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**Hazarous combustion products**

Fire will produce a dense black smoke containing hazardous decomposition by products. Exposure to those may be a hazard to health.

(Contd. on page 4)

Trade name: BODY 930 BITUMEN UNDERBODY COATING 1KG

(Contd. of page 3)

### 5.3 Advice for firefighters

**Special protective equipment and fire fighting procedures:** No special measures required.

**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

Wear protective equipment. Keep unprotected persons away.

### 6.2 Environmental precautions:

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

Inform respective authorities in case of seepage into water course or sewage system.

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.

Do not flush with water or aqueous cleansing agents

### 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.

Prevent formation of aerosols.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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

**Storage:**

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

### 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:**

8052-42-4 Asphalt

NES (Australia) Long-term value: 5 mg/m<sup>3</sup>  
fumes

WEL (Great Britain) Short-term value: 10 mg/m<sup>3</sup>  
Long-term value: 5 mg/m<sup>3</sup>

471-34-1 calcium carbonate

NES (Australia) Long-term value: 10 mg/m<sup>3</sup>

(Contd. on page 5)

Trade name: BODY 930 BITUMEN UNDERBODY COATING 1KG

(Contd. of page 4)

<b>108-88-3 toluene</b>	
NES (Australia)	Short-term value: 574 mg/m <sup>3</sup> , 150 ppm Long-term value: 191 mg/m <sup>3</sup> , 50 ppm Sk
WEL (Great Britain)	Short-term value: 384 mg/m <sup>3</sup> , 100 ppm Long-term value: 191 mg/m <sup>3</sup> , 50 ppm Sk
<b>67-64-1 acetone</b>	
NES (Australia)	Short-term value: 2375 mg/m <sup>3</sup> , 1000 ppm Long-term value: 1185 mg/m <sup>3</sup> , 500 ppm
WEL (Great Britain)	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 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.

Wash hands before breaks and at the end of work.

#### Respiratory protection:

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.

#### Protection of hands:



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

#### 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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

(Contd. on page 6)

Trade name: BODY 930 BITUMEN UNDERBODY COATING 1KG

(Contd. of page 5)

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical 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/Melting range:**

Undetermined.

**Boiling point/Boiling range:**

110 °C

**Flash point:**

≤ 21 °C

**Flammability (solid, gaseous):**

Not applicable.

**Autoignition temperature:**

490 °C

**Decomposition temperature:**

Not determined.

**Self-igniting:**

Product is not selfigniting.

**Danger of explosion:**

Risk of explosion by shock, friction, fire or other sources of ignition.

**Explosion limits:****Lower:**

1.2 Vol %

**Upper:**

7.0 Vol %

**Vapour pressure at 20 °C:**

29 hPa

**Density at 20 °C:**0.994 g/cm<sup>3</sup>**Relative density**

Not determined.

**Vapour density**

Not determined.

**Evaporation rate**

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:****Organic solvents:**

12.3 %

**Water:**

0.2 %

**VOC (EC)**

350 g/l

122.2 g/l

**Solids content (volume):**

85.0 %

**9.2 Other information**

No further relevant information available.

**SECTION 10: Stability and reactivity****10.1 Reactivity****10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

(Contd. on page 7)

Trade name: BODY 930 BITUMEN UNDERBODY COATING 1KG

(Contd. of page 6)

**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

##### LD/LC50 values relevant for classification:

##### ATE (Acute Toxicity Estimates)

Oral	LD50	48644 mg/kg (rat)
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##### 471-34-1 calcium carbonate

Oral	LD50	6450 mg/kg (rat)
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##### 108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50 (static)	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

##### 67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)

#### Primary irritant effect:

**Skin corrosion/irritation** No irritant effect.

**Serious eye damage/irritation** No irritating effect.

**Respiratory or skin sensitisation** No sensitising effects known.

#### Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Repr. 2

## 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 product 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).

(Contd. on page 8)

Trade name: BODY 930 BITUMEN UNDERBODY COATING 1KG

(Contd. of page 7)

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.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

#### 14.1 UN-Number

ADG, IMDG, IATA

UN1263

#### 14.2 UN proper shipping name

ADG

1263 PAINT, special provision 640D

IMDG, IATA

PAINT

#### 14.3 Transport hazard class(es)

ADG



Class  
Label

3 (F1) Flammable liquids.  
3

IMDG, IATA



Class  
Label

3 Flammable liquids.  
3

#### 14.4 Packing group

ADG, IMDG, IATA

II

#### 14.5 Environmental hazards:

Marine pollutant:

No

#### 14.6 Special precautions for user

Danger code (Kemler):

Warning: Flammable liquids.

33

EMS Number:

F-E,S-E

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

#### Transport/Additional information:

ADG

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

Transport category

2

(Contd. on page 9)



Trade name: BODY 930 BITUMEN UNDERBODY COATING 1KG

(Contd. of page 8)

<b>Tunnel restriction code</b>	<b>D/E</b>
<b>IMDG</b>	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
<b>UN "Model Regulation":</b>	<b>UN1263, PAINT, special provision 640D, 3, II</b>

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>Australian Inventory of Chemical Substances</b>		
8052-42-4	Asphalt	
471-34-1	calcium carbonate	
108-88-3	toluene	
64742-82-1	Low boiling point hydrogen treated naphtha	
67-64-1	acetone	
14808-60-7	Quartz (SiO2)	
7732-18-5	water, distilled, conductivity or of similar purity	
<b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
108-88-3	toluene	S6
67-64-1	acetone	S5

**Directive 2012/18/EU**

Named dangerous substances - ANNEX I None of the ingredients is listed.

**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.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to the central nervous system through prolonged or repeated exposure.
- H373 May cause damage to the central nervous system through prolonged or repeated exposure.

Department issuing MSDS: Department of Quality Control

**Contact:**

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**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

(Contd. on page 10)

**Trade name: BODY 930 BITUMEN UNDERBODY COATING 1KG**

(Contd. of page 9)

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  
Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Repr. 2: Reproductive toxicity, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1  
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2  
Asp. Tox. 1: Aspiration hazard, Hazard Category 1

\* **Data compared to the previous version altered.**

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(Contd. on page 11)

Trade name: **BODY 930 BITUMEN UNDERBODY COATING 1KG**

(Contd. of page 10)

## Annex: Exposure scenario

### 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

PC9a Coatings and paints, thinners, paint removers

PC14 Metal surface treatment products, including galvanic and electroplating products

#### Process category

PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

Article category AC1 Vehicles

Environmental release category ERC2 Formulation of preparations

### 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.

### Other operational conditions

**Other operational conditions affecting environmental exposure** Use only on hard ground.

**Other operational conditions affecting worker exposure**

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

Provide explosion-proof electrical equipment.

Use product only in enclosed systems.

Ensure that suitable extractors are available on processing machines

##### Personal protective measures

Do not inhale gases / fumes / aerosols.

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.

Do not allow to reach sewage system.

**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

**Consumer** This product is to be used by professional technicians 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.