

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name: **BODY 255 2K ALUMINIUM POLYESTER FILLER**

Article number: 253

**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 preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

**Application of the substance / the preparation**

Filler/ Extender

Surface protection

2K Aluminium polyester filler

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

H.B. BODY S.A

B' ENTRANCE BLOCK 50 DA9 &amp; 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:**

H.B. BODY S.A

B' ENTRANCE BLOCK 50 DA9 &amp; MB6 Str

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Ph: +30 2310 790 000

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www.hbbody.com

email: hbbody@hbbody.com

**1.4 Emergency telephone number:**

HEAD OFFICES: MONDAY -FRIDAY 8am-4pm

Ph: 0030 2310 790 000

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

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

R20: Harmful by inhalation.



Xi; Irritant

R36/38: Irritating to eyes and skin.

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

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## Trade name: BODY 255 2K ALUMINIUM POLYESTER FILLER

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**Classification system:**

The classification is according to the latest editions of the EU-lists adapting Directive 67/548/EEC on the classification, packaging and labelling of dangerous substances and extended by company and literature data.

**2.2 Label elements****Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**Code letter and hazard designation of product:**

Xn Harmful

**Hazard-determining components of labelling:**

styrene

**Risk phrases:**

- 20 Harmful by inhalation.  
36/38 Irritating to eyes and skin.

**Safety phrases:**

- 9 Keep container in a well-ventilated place.  
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
29 Do not empty into drains.  
36/37 Wear suitable protective clothing and gloves.  
51 Use only in well-ventilated areas.  
60 This material and its container must be disposed of as hazardous waste.

**2.3 Other hazards****Results of PBT and vPvB assessment**

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

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients****3.2 Chemical characterization: Mixtures**

**Description:** Mixture of hazardous substances

**Dangerous components:**

|  |  |           |
|--|--|-----------|
| CAS: 100-42-5<br>EINECS: 202-851-5<br>Index number: 601-026-00-0<br>RTECS: WL 3675000<br>Reg.nr.: 01-2119457861-32-0011<br>01-2119457861-32-0009 | styrene<br>Xn R20<br>Xi R36/38<br>R10<br>Flam. Liq. 3, H226<br>Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319   | 15 - <20% |
| CAS: 95-63-6<br>EINECS: 202-436-9<br>Index number: 601-043-00-3  | 1,2,4-trimethylbenzene<br>Xn R20<br>Xi R36/37/38<br>N R51/53<br>R10<br>Flam. Liq. 3, H226<br>Aquatic Chronic 2, H411<br>Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 | < 2.5%    |

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

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## 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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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 contact lenses in case of eye contamination and irrigate 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:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

### 5.3 Advice for firefighters

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

#### Special 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** Not required.

### 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.

### 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:** No special measures required.

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**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:**

As general storage guide: store separately from oxidizing agents and strongly alkaline and strongly acidic materials. Do not store together with explosives, gases, oxidizing solids, products which form flammable gases in contact with water, oxidizing products, infectious products and radioactive products.

**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**DNELs**

| CAS No:  | Substance     | End Use | Routes of exposure | Frequency | Long Term | Type | Value | Systemic | Effect |
|----------|---------------|---------|--------------------|-----------|-----------|------|-------|----------|--------|
| 123-86-4 | Butyl Acetate | Workers | Inhalation         |           |           |      |       |          |        |
|          | 100mg/kg      |         |                    |           |           |      |       |          |        |

**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.

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

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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

## 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:

145 °C

Flash point:

21 - 55 °C

Flammability (solid, gaseous):

Not applicable.

Autoignition temperature:

480 °C

Decomposition temperature:

Not determined.

Self-igniting:

Product is not selfigniting.

Danger of explosion:

Product does not present an explosion hazard.  
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

Density at 20 °C:

0.996 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.

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**Solvent content:**

|                          |           |
|--------------------------|-----------|
| <b>Organic solvents:</b> | 16.2 %    |
| <b>VOC (EC)</b>          | 120.0 g/l |

|                                 |        |
|---------------------------------|--------|
| <b>Solids content (volume):</b> | 83.8 % |
|---------------------------------|--------|

|                              |  |
|------------------------------|--|
| <b>9.2 Other information</b> | 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.

**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:****100-42-5 styrene**

|            |          |                  |
|------------|----------|------------------|
| Oral       | LD50     | 5000 mg/kg (rat) |
| Inhalative | LC50/4 h | 24 mg/l (rat)    |

**471-34-1 calcium carbonate**

|      |      |                  |
|------|------|------------------|
| Oral | LD50 | 6450 mg/kg (rat) |
|------|------|------------------|

**95-63-6 1,2,4-trimethylbenzene**

|      |      |                  |
|------|------|------------------|
| Oral | LD50 | 5000 mg/kg (rat) |
|------|------|------------------|

**Primary irritant effect:**

**on the skin:** Irritant to skin and mucous membranes.

**on the eye:** Irritating effect.

**Sensitization:** Sensitizing effect through inhalation is possible by prolonged exposure.

**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:

Harmful  
Irritant

**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**

This product is not known to have bioaccumulative potentials. It should not be disposed in areas where living organisms could consume. Dispose it as a hazardous material according to local laws and regulations

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**Trade name: BODY 255 2K ALUMINIUM POLYESTER FILLER**

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**12.4 Mobility in soil**

This product is not considered to present any mobility in soil. Do not dispose it in the soil and treat it as a hazardous product according to local laws and legislations.

**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.

**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

1263 PAINT, special provision 640E

IMDG, IATA

PAINT

**14.3 Transport hazard class(es)**

ADR



Class

3 (F1) Flammable liquids.

Label

3

IMDG, IATA



Class

3 Flammable liquids.

Label

3

**14.4 Packing group**

ADR, IMDG, IATA

III

**14.5 Environmental hazards:****Marine pollutant:**

No

**14.6 Special precautions for user**

Warning: Flammable liquids.

**Danger code (Kemler):**

30

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Trade name: BODY 255 2K ALUMINIUM POLYESTER FILLER

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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:

ADR

Limited quantities (LQ)

5L

Transport category

3

Tunnel restriction code

D/E

UN "Model Regulation":

UN1263, PAINT, special provision 640E, 3, III

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

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**Code letter and hazard designation of product:**

Xn Harmful

**Hazard-determining components of labelling:**

styrene

**Risk phrases:**

- 20 Harmful by inhalation.
- 36/38 Irritating to eyes and skin.

**Safety phrases:**

- 9 Keep container in a well-ventilated place.
- 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 29 Do not empty into drains.
- 36/37 Wear suitable protective clothing and gloves.
- 51 Use only in well-ventilated areas.
- 60 This material and its container must be disposed of as hazardous waste.

**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**

- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H411 Toxic to aquatic life with long lasting effects.
- R10 Flammable.
- R20 Harmful by inhalation.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R36/38 Irritating to eyes and skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Trade name: **BODY 255 2K ALUMINIUM POLYESTER FILLER**

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**Classification according to Regulation (EC) No 1272/2008****GHS02 flame****Flam. Liq. 3 H226 Flammable liquid and vapour.****GHS07****Skin Irrit. 2 H315 Causes skin irritation.****Eye Irrit. 2 H319 Causes serious eye irritation.****Department issuing MSDS: Department of Quality Control****Contact:****EN CHEMICALS S.A****57 009 KALOCHORI****THESSALONIKI, GREECE****Ph: +30 2310 755 428****email: sales@enchemicals.com****H.B 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 Organization****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****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)****DNEL: Derived No-Effect Level (REACH)****LC50: Lethal concentration, 50 percent****LD50: Lethal dose, 50 percent****\* Data compared to the previous version altered.**

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Trade name: **BODY 255 2K ALUMINIUM POLYESTER FILLER**

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## Annex: Exposure scenario

### Short title of the exposure scenario

**General Statement:** The exposure scenarios on the MSDS tend to provide specific information on how a hazardous substance, found in a preparation or as a raw material can be managed and controlled. It considers specific conditions of use in order to ensure that a use can be safe to humans and the environment. Identified risk management measures are to be implemented unless the downstream user is able to ensure a safe handling of the material in a different way.

**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 preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

### 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 eyes.

Avoid contact with the skin.

Do not breathe gas/vapour/aerosol.

**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

##### 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 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 chemical 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 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.

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**Trade name: BODY 255 2K ALUMINIUM POLYESTER FILLER**

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**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.