

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: BODY UNIVERSAL SPRAY****Article number: 327****1.2 Relevant identified uses of the substance or mixture and uses advised against Coating****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****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****Surface protection****High gloss acrylic topcoat****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****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 & 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**

Trade name: BODY UNIVERSAL SPRAY

(Contd. of page 1)

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

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Acute Tox. 4	H332	Harmful if inhaled.
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

Signal word Danger

Hazard-determining components of labelling:

xylene

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H332 Harmful if inhaled.

H315 Causes skin irritation.

Precautionary statements

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

P251 Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

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

P321 Specific treatment (see on this label).

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Additional information:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

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

PBT: Not applicable.

vPvB: Not applicable.

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

Description: Mixture of hazardous substances

Dangerous components:

(Contd. on page 3)

Trade name: BODY UNIVERSAL SPRAY

(Contd. of page 2)

CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 RTECS: EJ 4200000	butane ⚠ Flam. Gas 1, H220 Press. Gas C, H280	30 - <35%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 RTECS: ZE 2100000 Reg.nr.: 01-2119488216-32-001 01-2119488216-32-002 01-2119488216-32-003	xylene ⚠ Flam. Liq. 3, H226 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	25 - <30%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 RTECS: AF 7350000 Reg.nr.: 01-2119485493-29-007 01-2119485493-29-004 01-2119485493-29-003 01-2119485493-29-005 01-2119485493-29	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	15 - <20%

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. 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.

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 (CO₂), 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.

Hazardous combustion products

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

5.3 Advice for firefighters

Special protective equipment and fire fighting procedures: Mouth respiratory protective device.

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

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(Contd. on page 4)

Trade name: BODY UNIVERSAL SPRAY

(Contd. of page 3)

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:

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.

Open and handle receptacle with care.

Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

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

Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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:**

106-97-8 butane

WEL Short-term value: 1810 mg/m³, 750 ppmLong-term value: 1450 mg/m³, 600 ppm

Carc (if more than 0.1% of buta-1,3-diene)

1330-20-7 xylene

WEL Short-term value: 441 mg/m³, 100 ppmLong-term value: 220 mg/m³, 50 ppm

Sk; BMGV

(Contd. on page 5)

Trade name: BODY UNIVERSAL SPRAY

(Contd. of page 4)

123-86-4 n-butyl acetate

WEL	Short-term value: 966 mg/m ³ , 200 ppm
	Long-term value: 724 mg/m ³ , 150 ppm

Ingredients with biological limit values:

1330-20-7 xylene

BMGV	650 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: methyl hippuric acid

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 skin.
 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 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

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(Contd. on page 6)

Trade name: BODY UNIVERSAL SPRAY

(Contd. of page 5)

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information****Appearance:****Form:**

Aerosol

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:

-44 °C

Flash point:

< 0 °C

Flammability (solid, gaseous):

Not applicable.

Autoignition temperature:

365 °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:**

1.1 Vol %

Upper:

8.5 Vol %

Vapour pressure at 20 °C:

2100 hPa

Density at 20 °C:0.925 g/cm³**Relative density**

Not determined.

Vapour density

Not determined.

Evaporation rate

Not applicable.

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:**

78.9 %

VOC (EC)

765.3 g/l

Solids content (volume):

17.2 %

9.2 Other information

0.2%

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.

(Contd. on page 7)

Trade name: **BODY UNIVERSAL SPRAY**

(Contd. of page 6)

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)

Dermal	LD50	7923 mg/kg (rabbit)
Inhalative	LC50/4 h	43.6 mg/l

106-97-8 butane

Inhalative	LC50/4 h	658 mg/l (rat)
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1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (ATE)

123-86-4 n-butyl acetate

Oral	LD50	13100 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4 h	>21.0 mg/l (rat)

Primary irritant effect:

Skin corrosion/irritation Irritant to skin and mucous membranes.

Serious eye damage/irritation No irritating effect.

Respiratory or skin sensitisation Sensitising 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

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: Not applicable.

(Contd. on page 8)

Trade name: BODY UNIVERSAL SPRAY

(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**

ADR, IMDG, IATA

UN1950

14.2 UN proper shipping name

ADR

1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR



Class

2 5F Gases.

Label

2.1

IMDG, IATA



Class

2.1

Label

2.1

14.4 Packing group

ADR, IMDG, IATA

Void

14.5 Environmental hazards:**Marine pollutant:**

No

14.6 Special precautions for user

Warning: Gases.

Danger code (Kemler):

-

EMS Number:

F-D,S-U

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)

1L

Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

Transport category

2

(Contd. on page 9)

Trade name: BODY UNIVERSAL SPRAY

(Contd. of page 8)

Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN1950, AEROSOLS, 2.1

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

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

H220 Extremely flammable gas.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

Department issuing MSDS: Department of Quality Control

Contact:

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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

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Press. Gas C: Gases under pressure: Compressed gas

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

* Data compared to the previous version altered.

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(Contd. on page 10)

Trade name: BODY UNIVERSAL SPRAY

(Contd. of page 9)

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**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 Aerosol**Concentration of the substance in the mixture** The substance is main component.**Other operational conditions****Other operational conditions affecting environmental exposure** No special measures required.**Other operational conditions affecting worker exposure**

Avoid contact with the skin.

Do not breathe aerosol.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

Other operational conditions affecting consumer exposure Keep out of the reach of children.**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 exhaust 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.

Ensure that suitable extractors are available on processing machines

Personal protective measures

Avoid contact with the skin.

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.

Keep locked up and out of the reach of children.

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.**Waste type** Partially emptied and uncleaned packaging

(Contd. on page 11)

Trade name: BODY UNIVERSAL SPRAY

(Contd. of page 10)

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.