

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**Trade name: **BODY WAX 900 SPRAY**

Article number: 199

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

Sector of Use SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC8 Biocidal products (e.g. Disinfectants, pest control)

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 preparation

Surface protection

Underbody coating in a spray form

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

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Further information obtainable from:

H.B. BODY S.A

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1.4 Emergency telephone number: +30 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



F+; Extremely flammable

R12: Extremely flammable.

R52/53-67: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

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.

Warning! Pressurized container.

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Trade name: BODY WAX 900 SPRAY

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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:

F+ Extremely flammable

Risk phrases:

- 12 Extremely flammable.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

Safety phrases:

- 3 Keep in a cool place.
9 Keep container in a well-ventilated place.
16 Keep away from sources of ignition - No smoking.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
24 Avoid contact with skin.
29 Do not empty into drains.
33 Take precautionary measures against static discharges.
43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
51 Use only in well-ventilated areas.
60 This material and its container must be disposed of as hazardous waste.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Special labelling of certain preparations:

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

60.1 % by mass of the contents are flammable

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: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 RTECS: EJ 4200000	butane F+ R12 Flam. Gas 1, H220 Press. Gas, H280	30 - <35%
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 Xn R65 Flam. Liq. 3, H226 Asp. Tox. 1, H304	20 - <25%

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CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 RTECS: TZ 4300000	isobutane F+ R12 Flam. Gas 1, H220 Press. Gas, H280	2.5 - <5%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 RTECS: TX 2275000	propane F+ R12 Flam. Gas 1, H220 Press. Gas, H280	2.5 - <5%
CAS: 110-54-3 EINECS: 203-777-6 Index number: 601-037-00-0 RTECS: MN 9275000	n-hexane Xn R48/20-62-65 Xi R38 F R11 N R51/53 R67 Repr. Cat. 3 Flam. Liq. 2, H225 Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	< 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.**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

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

Special protective equipment and fire fighting procedures:

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.

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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:

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.

Pressurized 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 pressurized containers.

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.

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/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1,3-diene)
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DNELs

CAS No: Substance End Use

123-86-4 Butyl Acetate Workers

100mg/kg

Routes of exposure

Inhalation

Frequency

Long Term

Type

Value
Systemic Effect

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Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:** 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.

Use suitable respiratory protective device in case of insufficient ventilation.

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 bases 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**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.

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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:	1.5 Vol %
Upper:	8.5 Vol %
Vapour pressure at 20 °C:	2100 hPa
Density at 20 °C:	0.12001 g/cm ³
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:	36.4 %
VOC (EC)	100 g/l
	43.6 g/l
Solids content (volume):	38.2 %
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.

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:**

106-97-8 butane

Inhalative LC50/4 h 658 mg/l (rat)

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Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

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

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.

Ecotoxicological effects:

Remark: Harmful to fish

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.

Harmful to aquatic organisms

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

UN1950

14.2 UN proper shipping name

ADR

1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

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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
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14.5 Environmental hazards:

Marine pollutant:	No
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14.6 Special precautions for user

Warning: Gases.

Danger code (Kemler):	-
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EMS Number:	F-D,S-U
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14.7 Transport in bulk according to Annex II of MARPOL/73/78 and the IBC Code

Not applicable.

Transport/Additional information:**ADR**

Limited quantities (LQ)	1L
Transport category	2
Tunnel restriction code	D

UN "Model Regulation":	UN1950, AEROSOLS, 2.1
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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:

F+ Extremely flammable

Risk phrases:

12 Extremely flammable.
 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 67 Vapours may cause drowsiness and dizziness.

Safety phrases:

3 Keep in a cool place.

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Trade name: **BODY WAX 900 SPRAY**

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- 9 Keep container in a well-ventilated place.
 16 Keep away from sources of ignition - No smoking.
 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
 24 Avoid contact with skin.
 29 Do not empty into drains.
 33 Take precautionary measures against static discharges.
 43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
 51 Use only in well-ventilated areas.
 60 This material and its container must be disposed of as hazardous waste.
 61 Avoid release to the environment. Refer to special instructions/safety data sheets.
 62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Special labelling of certain preparations:

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

60.1 % by mass of the contents are flammable

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.
 H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H280 Contains gas under pressure; may explode if heated.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.
 H361f Suspected of damaging fertility.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long lasting effects.
- R11 Highly flammable.
 R12 Extremely flammable.
 R38 Irritating to skin.
 R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R62 Possible risk of impaired fertility.
 R65 Harmful: may cause lung damage if swallowed.
 R67 Vapours may cause drowsiness and dizziness.

Classification according to Regulation (EC) No 1272/2008

GHS02 flame

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



GHS08 health hazard

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

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Department issuing MSDS: Department of Quality Control

Contact:

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Printing date 17.10.2013

Revision: 17.10.2013

Version number 16

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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)**IATA-DGR:** Dangerous Goods Regulations by the "International Air Transport Association" (IATA)**ICAO:** International Civil Aviation Organization**ICAO-TI:** Technical Instructions by the "International Civil Aviation Organization" (ICAO)**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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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 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC8 Biocidal products (e.g. Disinfectants, pest control)

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.

Used amount per time or activity Smaller than 100 g per application.

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 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.

Use product only in enclosed systems.

Personal protective measures The usual precautionary measures are to be adhered to when handling chemicals.

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

Prevent contamination of 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.

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Trade name: BODY WAX 900 SPRAY

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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.