

* **1 Identification of the substance or mixture and of the supplier**

· **Other means of identification**

· Trade name: **SPRAY G511 FLAT GUIDE**

· Article number: W039

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

· Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

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

· Product category PC9a Coatings and paints, thinners, paint removers

· Process category PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

· Environmental release category ERC2 Formulation into mixture

· Article category AC1 Vehicles

· Application of the substance / the mixture

Leveling agents

Surface protection

· **Details of the supplier of the safety data sheet**

· Manufacturer/Supplier:

HB BODY S.A.

B' ENTRANCE BLOCK 50 DA9 & MB6 Str

THESSALONIKI INDUSTRIAL AREA

57.022, SINDOS

THESSALONIKI, GREECE

Ph: +30 2310 790 000

Fax: +30 2310 790 033

www.hbbody.com

email: hbbody@hbbody.com

· Further information obtainable from:

Wyatt Machine Tools (Rupes) NZ Limited

Address: 388 Church Street, Penrose, Auckland

Ph (09) 525 1000; Fax (09) 525 1009

Emergency telephone number: NZ Emergency 0800 992 881 (0800WYATT1)

· Emergency telephone number:

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

* **2 Hazards identification**

· **Classification of the substance or mixture**



GHS02 flame

Aerosols Category 1

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.



GHS07

Skin irritation Category 2

H315 Causes skin irritation.

Trade name: SPRAY G511 FLAT GUIDE

- Eye irritation Category 2 H319 Causes serious eye irritation.
- Specific target organ toxicity - single exposure Category 3 H336 May cause drowsiness or dizziness.
- Hazardous to the aquatic environment chronic Category 3 H412 Harmful to aquatic life with long lasting effects.

Additional information:

- 6.3A Substances that are irritating to the skin
- 9.1C Substances that are harmful in the aquatic environment
- 2.1.2A Flammable aerosol
- 8.3A Substances that are corrosive to ocular tissue
- 6.9 (Narcotic) Substances that are harmful to human target organs or systems
- 6.4A Substances that are irritating to the eye
- 2.1.1 AFlammable gas - high hazard

Label elements

- GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- Hazard pictograms



GHS02 GHS07

- Signal word Danger
- Hazard-determining components of labelling: acetone
Solvent naphtha (petroleum), light arom.
- Hazard statements
H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
P102 Keep out of reach of children.
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.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

3 Composition/Information on ingredients**Chemical characterisation: Mixtures**













- Description: Mixture of hazardous substances listed below with nonhazardous additions.

Dangerous components:

CAS: 106-97-8	butane, pure	30-<35%
EINECS: 203-448-7	Flammable gases Category 1A, H220	
Index number: 601-004-00-0	Gases under pressure – Compressed gas, H280	
RTECS: EJ 4200000	Acute inhalation toxicity Category 3, H331	

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CAS: 1330-20-7	xylene	25-<30%
Index number: 601-022-00-9	 Flammable liquids Category 3, H226  Acute dermal toxicity Category 4, H312; Acute inhalation toxicity Category 4, H332; Skin irritation Category 2, H315	
CAS: 67-64-1	acetone	20-<25%
EINECS: 200-662-2	 Flammable liquids Category 2, H225  Eye irritation Category 2, H319; Specific target organ toxicity - single exposure Category 3, H336	
Index number: 606-001-00-8		
RTECS: AL 3150000		
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.	5-<10%
EINECS: 265-199-0	 Flammable liquids Category 3, H226  Aspiration hazard Category 1, H304  Hazardous to the aquatic environment chronic Category 2, H411  Acute inhalation toxicity Category 4, H332; Specific target organ toxicity - single exposure Category 3, H335 Specific target organ toxicity - single exposure Category 3, H336	
Index number: 649-356-00-4		
CAS: 75-28-5	isobutane	1-<5%
EINECS: 200-857-2	 Flammable gases Category 1A, H220  Gases under pressure – Compressed gas, H280	
Index number: 601-004-00-0		
RTECS: TZ 4300000		
CAS: 74-98-6	propane	1-<5%
EINECS: 200-827-9	 Flammable gases Category 1A, H220  Gases under pressure – Compressed gas, H280	
Index number: 601-003-00-5		
RTECS: TX 2275000		

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

4 First aid measures**Description of first aid measures**

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
 - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove 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.
- Information for doctor:
 - Most important symptoms and effects, both acute and delayed No further relevant information available.
 - Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Fire fighting measures**Extinguishing media**

- Suitable extinguishing agents:
 - CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture** No further relevant information available.

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: No special measures required.
- Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

Trade name: SPRAY G511 FLAT GUIDE**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

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.

Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

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.

7 Handling and storage**Handling:**

Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection:

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

Keep ignition sources away - Do not smoke.

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.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

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.

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

8 Exposure controls/personal protection**Control parameters**

Ingredients with limit values that require monitoring at the workplace:

106-97-8 butane, pure

WES (New Zealand) Long-term value: 1900 mg/m³, 800 ppm

1330-20-7 xylene

WES (New Zealand) Long-term value: 217 mg/m³, 50 ppm

oto, bio

IOELV (EU) Short-term value: 442 mg/m³, 100 ppm

Long-term value: 221 mg/m³, 50 ppm

Skin

67-64-1 acetone

WES (New Zealand) Short-term value: 2375 mg/m³, 1000 ppm

Long-term value: 1185 mg/m³, 500 ppm

bio

IOELV (EU) Long-term value: 1210 mg/m³, 500 ppm

74-98-6 propane

WES (New Zealand) Simple asphyxiant; may present an explosion hazard

Regulatory information

WES (New Zealand): Workplace Exposure Standards and Biological Exposure Indices

IOELV (EU): (EU) 2019/1831

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

· **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 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:

Safety glasses



Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

· 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:

Mixture is non-soluble (in water).

· Change in condition

· Melting point/freezing point:

Undetermined.

· Initial boiling point and boiling range:

-44.5 °C

· Flash point:

< 0 °C

· Flammability

Not applicable.

· Autoignition temperature:

365 °C

· Decomposition temperature:

Not determined.

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Trade name: SPRAY G511 FLAT GUIDE

· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Risk of explosion by shock, friction, fire or other sources of ignition.
· Explosion limits:	
· Lower:	1.1 Vol %
· Upper:	13 Vol %
· Vapour pressure at 20 °C:	2,100 hPa
· Vapour pressure:	
· Density at 20 °C:	0.897 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 at 20 °C:	0 mm ² /s
· Solvent content:	
· Organic solvents:	90.5 %
· VOC (EC)	847.4 g/l
· Solids content (volume):	5.5 %
· Other information	
· Particle characteristics	Not applicable.
· Physical state	Aerosol

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information**Information on toxicological effects**

- Acute toxicity
- LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Dermal LD50 7,049 mg/kg

Inhalative LC50/4 h >32 mg/l

106-97-8 butane, pure

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

1330-20-7 xylene

Oral LD50 4,300 mg/kg (rat)

Dermal LD50 2,000 mg/kg (rabbit)

Inhalative LC50/4 h 11 mg/l (ATE)

67-64-1 acetone

Oral LD50 5,800 mg/kg (rat)

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Trade name: SPRAY G511 FLAT GUIDE

Dermal LD50 20,000 mg/kg (rabbit)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral LD50 >6,800 mg/kg (rat)

Dermal LD50 >3,400 mg/kg (rab)

Inhalative LC50/4 h >10.2 mg/l (rat)

· **Primary irritant effect:**

· **Skin corrosion/irritation** Irritant to skin and mucous membranes.

· **Serious eye damage/irritation** 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:

Irritant

* **12 Ecological information**· **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

· **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

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **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

· **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).

· **Other adverse effects** No further relevant information available.

* **13 Disposal considerations**· **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.

* **14 Transport information**· **UN-Number**

· **NZS, IMDG, IATA**

UN1950

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Trade name: SPRAY G511 FLAT GUIDE

· **UN proper shipping name**

· NZS UN1950 AEROSOLS
· IMDG AEROSOLS
· IATA AEROSOLS, flammable

· **Transport hazard class(es)**

· NZS



· Class 2.5F Gases.
· Label 2.1
· IMDG, IATA



· Class 2.1 Gases.
· Label 2.1

· **Packing group**

· NZS, IMDG, IATA Void

· **Environmental hazards:**

· Marine pollutant: No

· **Special precautions for user**

· Hazard identification number (Kemler code): Warning: Gases.

· EMS Number: -

· Stowage Code F-D,S-U

SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre:
Category A. For AEROSOLS with a capacity above 1 litre:
Category B. For WASTE AEROSOLS: Category C, Clear of
living quarters.

· Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1
except for division 1.4.

For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2.

For WASTE AEROSOLS:
Segregation as for the appropriate subdivision of class 2.

· **Transport in bulk according to Annex II of
Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· NZS

· Limited quantities (LQ) 1L
· Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

· Transport category 2

· Tunnel restriction code D

· IMDG

· Limited quantities (LQ) 1L
· Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

Trade name: SPRAY G511 FLAT GUIDE· **UN "Model Regulation":**

UN 1950 AEROSOLS, 2.1

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

None of the ingredients is listed.

· **New Zealand Inventory of Chemicals**

106-97-8 butane, pure

1330-20-7 xylene

67-64-1 acetone

64742-95-6 Solvent naphtha (petroleum), light arom.

75-28-5 isobutane

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

74-98-6 propane

1333-86-4 Carbon black

9003-55-8 resin

71-36-3 butan-1-ol

1317-65-3 natural Calcium carbonate

· **HSNO Approval numbers**

HSNO Number/HSNO Group Standard HSR002515

106-97-8 butane, pure: HSR000989

1330-20-7 xylene: HSR000983

67-64-1 acetone: HSR001070

75-28-5 isobutane: HSR001003

74-98-6 propane: HSR001010

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).· **Hazard pictograms**

GHS02 GHS07

· **Signal word** Danger· **Hazard-determining components of labelling:**

acetone

Solvent naphtha (petroleum), light arom.

· **Hazard statements**

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P102 Keep out of reach of children.

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.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

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

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

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- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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.

- Reasons for alterations
- 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.
 - H312 Harmful in contact with skin.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H331 Toxic if inhaled.
 - H332 Harmful if inhaled.
 - H335 May cause respiratory irritation.
 - H336 May cause drowsiness or dizziness.
 - H411 Toxic to aquatic life with long lasting effects.
- **Department issuing SDS:** Department of Quality Control
- **Contact:**
 - HB BODY S.A
 - Regulatory Officer
 - Ms Athina Kapourani
 - Ph: +30 2310 790000
 - email: a.kapourani@hbbody.com
- * Data compared to the previous version altered.

Trade name: **SPRAY G511 FLAT GUIDE**

* **Annex: Exposure scenario**

· **Short title of the exposure scenario**

· Sector of Use

- SU21 Consumer uses: Private households / general public / consumers
- SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Product category PC9a Coatings and paints, thinners, paint removers

· Process category

- PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

· Article category AC1 Vehicles

· Environmental release category ERC2 Formulation into mixture

· **Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

· **Conditions of use** According to directions for use.

· Duration and frequency Frequency of use:

· **Physical parameters**

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

· Physical state 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

- Avoid contact with the skin.
- Do not breathe aerosol.
- Take precautionary measures against static discharge.
- Keep away from sources of ignition - No smoking.
- Avoid contact with eyes.

· Other operational conditions affecting consumer exposure

- No special measures required.
- 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 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

- Avoid contact with the skin.
- Pregnant women should strictly avoid inhalation or skin contact.
- 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
- Avoid contact with the eyes.
- Tightly sealed goggles

Trade name: SPRAY G511 FLAT GUIDE· **Measures for consumer protection**

Ensure adequate labelling.

Observe consumer information and advice on safe use.

Keep locked up and out of the reach of children.

· **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.

Not relevant for this Exposure Scenario.

The highest inhalative exposure to be expected for consumers is 20 ppm.

The highest dermal exposure to be expected for consumers is 1 mg / kg / day.

The highest oral exposure to be expected for consumers is 1 mg / kg / day.

· **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.