

**Brown Brothers Distribution Ltd**

PO Box 162, Needham Road, Stowmarket IP14 2ZR

Tel : 01449 778 333 Fax : 01449 773 472

## Safety Data Sheet: BodySchutz

Product Name	: BodySchutz
Product Code	: BDPBBS1
Revision Date	: 19/08/2015
Revision Number	: 2

Company	: Brown Brothers Distribution Limited
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### Hazards Identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS02

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



GHS09

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

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



F; Highly flammable

R11: Highly flammable.



N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

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**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.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Has a narcotizing effect.

**• Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**• 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, GHS09**• Signal word** Danger**• Hazard-determining components of labelling:**

Naphtha (petroleum), hydrotreated light

**• Hazard statements**

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

**• Precautionary statements**

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

P243 Take precautionary measures against static discharge.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

water/shower.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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

**• Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

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

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

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














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### · 3.2 Chemical characterization: Mixtures

· **Description:** Mixture of substances listed below with additions.

#### · **Dangerous components:**

CAS: 64742-49-0 EC number: 920-750-0 Reg.nr.: 01-2119473851-33-0001	Naphtha (petroleum), hydrotreated light  Xn R65;  F R11;  N R51/53 R66-67  Flam. Liq. 2, H225;  Asp. Tox. 1, H304;  Aquatic Chronic 2, H411;  STOT SE 3, H336	25-<50%
CAS: 64742-95-6 EINECS: 265-199-0 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom.  Xn R65;  Xi R37;  N R51/53 R10-66-67  Flam. Liq. 3, H226;  Asp. Tox. 1, H304;  Aquatic Chronic 2, H411;  STOT SE 3, H335-H336	1-<5%
CAS: 67-56-1 EINECS: 200-659-6	Methanol  T R23/24/25-39/23/24/25;  F R11  Flam. Liq. 2, H225;  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331;  STOT SE 1, H370	1-<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

· **After skin contact:** If skin irritation continues, consult a doctor.

### After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## SECTION 5: Firefighting measures

### · 5.1 Extinguishing media

· **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:**

Water

Water with full jet

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

### · 5.3 Advice for firefighters

· **Protective equipment:** Mount respiratory protective device.

· **Additional information** Cool endangered receptacles with water spray.

## SECTION 6: Accidental release measures

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### **· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

### **· 6.2 Environmental precautions:**

Prevent seepage into sewage system, workpits and cellars.

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).

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.

Use only in well ventilated areas.

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

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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

#### **· Storage:**

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

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

#### **· Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

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

**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:**

#### **67-56-1 Methanol**

WEL Short-term value: 333 mg/m<sup>3</sup>, 250 ppm

Long-term value: 266 mg/m<sup>3</sup>, 200 ppm

Sk

#### **· DNELs**

#### **64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral Long-term - systemic effects, general population 699 mg/kg bw/day (General Population)

Dermal Long-term - systemic effects, general population 699 mg/kg bw/day (General population)

Long-term - systemic effects, worker 773 mg/kg bw/day (Worker)



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Inhalative Long-term - systemic effects, general population 608 mg/m<sup>3</sup> (General Population)  
Long-term - systemic effects, worker 2035 mg/m<sup>3</sup> (Worker)

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

Oral Long-term - systemic effects, general population 11 mg/kg bw/day (General Population)

Dermal Long-term - systemic effects, general population 11 mg/kg bw/day (General population)

Long-term - systemic effects, worker 25 mg/kg bw/day (Worker)

Inhalative Long-term - systemic effects, worker 150 mg/m<sup>3</sup> (Worker)

### **67-56-1 Methanol**

Oral Acute - systemic effects, general population 8 mg/kg bw/day (General Population)

Long-term - systemic effects, general population 8 mg/kg bw/day (General Population)

Dermal Acute - systemic effects, general population 8 mg/kg (General population)

Acute - systemic effects, worker 40 mg/kg bw/day (Worker)

Long-term - systemic effects, general population 8 mg/kg bw/day (General population)

Long-term - systemic effects, worker 40 mg/kg bw/day (Worker)

Inhalative Acute - Local effects, worker 260 mg/m<sup>3</sup> (Worker)

Acute - local effects, general population 50 mg/m<sup>3</sup> (General Population)

Acute - systemic effects, general population 50 mg/m<sup>3</sup> (General Population)

Acute - systemic effects, worker 260 mg/m<sup>3</sup> (Worker)

Long-term - local effects, general population 50 mg/m<sup>3</sup> (General Population)

Long-term - local effects, worker 260 mg/m<sup>3</sup> (Worker)

Long-term - systemic effects, general population 50 mg/m<sup>3</sup> (General Population)

Long-term - systemic effects, worker 260 mg/m<sup>3</sup> (Worker)

## **PNECs**

### **67-56-1 Methanol**

Aquatic compartment - freshwater 154 mg/L (not specified)

Aquatic compartment - marine water 15.4 mg/L (not specified)

Aquatic compartment - sediment in marine water 570.4 mg/kg sed dw (not specified)

Aquatic compartment - water, intermittent releases 1540 mg/L (not specified)

Sewage treatment plant 100 mg/L (not specified)

Terrestrial compartment - soil 23.5 mg/kg dw (not specified)

• **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.

Do not inhale gases / fumes / aerosols.

#### • **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*

### **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.

Nitrile rubber

Recommended thickness of the material: <sup>3</sup> 0.12 mm

#### • **Penetration time of glove material**

> 480 min.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### • **Eye protection:**



## *Tightly sealed goggles*

**Body protection:** Use protective suit.

### **SECTION 9: Physical and chemical properties**

#### • **9.1 Information on basic physical and chemical properties**

##### • **General Information**

##### • **Appearance:**

**Form:** Fluid

**Colour:** Black

• **Odour:** Characteristic

• **Odour threshold:** Not determined.

• **pH-value:** Not determined.

##### • **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 90 °C

• **Flash point:** 9 °C (DIN 53213)

• **Flammability (solid, gaseous):** Not applicable.

• **Ignition temperature:** 200 °C

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- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

### Explosion limits:

**Lower:** 0.6 Vol %

**Upper:** 7.0 Vol %

- **Vapour pressure At 20 °C:** 20 hPa
- **Vapour pressure At 50 °C:** 111 hPa
- **Density At 20 °C:** 1.09 g/cm<sup>3</sup> (DIN 51757)
- **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 At 20 °C:** 45 s (ISO 6 mm)
- **Solvent content:**
  - Organic solvents:** 34.7 %
  - Water:** 0.1 %
  - Solids content:** 65.2 % (DIN 53216)
- **9.2 Other information** No further relevant information available.
- **VOC (EU):** 34.70 %
- **VOC (EU):** 378.2 g/l
- **VOCV:** 34.70 %

### 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:** Carbon monoxide

## SECTION 11: Toxicological information

### • 11.1 Information on toxicological effects

#### • Acute toxicity:

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

**64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral LD50 >5000 mg/kg (RAT)

Dermal LD50 >2800 mg/kg (RABBIT)

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Inhalative LC 50 >23.3 mg/l (RAT)

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

Dermal LD50 >2000 mg/kg (RABBIT)

**67-56-1 Methanol**

Oral LD50 13000 mg/kg (rat)

• **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:**

**64742-49-0 Naphtha (petroleum), hydrotreated light**

EL50/48 h 3 mg/l (DAPHNIA MAGNA)

EL50/72 h 10-30 mg/l (SELENASTRUM CAPRICORNUTUM)

LL50/96 h >13.4 mg/l (SALMO GAIARDNERI / ONCORHYNCHUS MYKISS)

• **12.2 Persistence and degradability** No further relevant information available.

• **12.3 Bioaccumulative potential** No further relevant information available.

• **12.4 Mobility in soil** No further relevant information available.

• **Ecotoxicological effects:**

• **Remark:** Toxic for fish

• **Additional ecological information:**

• **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

• **12.5 Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• **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.

• **European waste catalogue**

08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF

COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 01 00 wastes from MFSU and removal of paint and varnish



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08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

• **Uncleaned packaging:**

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

**SECTION 14: Transport information**

• **14.1 UN-Number**

• **ADR, IMDG, IATA UN1139**

• **14.2 UN proper shipping name**

• **ADR 1139 COATING SOLUTION, ENVIRONMENTALLY HAZARDOUS, special provision 640H**

• **IMDG COATING SOLUTION (Naphtha (petroleum), hydrotreated light, Solvent naphtha (petroleum), light arom.), MARINE POLLUTANT**

• **IATA COATING SOLUTION**

• **14.3 Transport hazard class(es)**

• **ADR, IMDG**



• **Class 3** Flammable liquids.

• **Label 3**

• **IATA**



**Class 3** Flammable liquids.

• **Label 3**

• **14.4 Packing group**

• **ADR III**

• **IMDG, IATA II**

• **14.5 Environmental hazards:** Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light

• **Marine pollutant:** Yes

Symbol (fish and tree)

• **Special marking (ADR):** Symbol (fish and tree)

• **14.6 Special precautions for user** Warning: Flammable liquids.

• **Danger code (Kemler):** 33

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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:** For ADR and IMDG: Transport and packing are in accordance with the regulation for limited quantities.  
These products are therefore classified as no dangerous goods.  
Transport classification ADR/IMDG is based on packaging >30ltr(IMDG), <450ltr(ADR).  
For other packaging units different classification can apply.  
See ADR 2.2.3.1.3/ 2.2.3.1.4 und IMDG 2.3.2.3 / 2.3.2.5
- **ADR**
- **Limited quantities (LQ)** 5L
- **Transport category** 3
- **Tunnel restriction code** D/E
  
- **UN "Model Regulation":** UN1139, COATING SOLUTION, special provision 640H, 3, III, ENVIRONMENTALLY HAZARDOUS

## **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Labelling according to Regulation (EC) No 1272/2008**

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

- **Hazard pictograms** GHS02, GHS07, GHS09

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Naphtha (petroleum), hydrotreated light

- **Hazard statements**

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

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

P243 Take precautionary measures against static discharge.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

water/shower.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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

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regulations.

- **National regulations:**
- **Technical instructions (air):**

<i>Class</i>	<i>Share in %</i>
<i>Wasser</i>	<i>0.1</i>
<i>I</i>	<i>1.2</i>
<i>NK</i>	<i>33.5</i>

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**• Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H370 Causes damage to organs.

H411 Toxic to aquatic life with long lasting effects.

R10 Flammable.

R11 Highly flammable.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R37 Irritating to respiratory system.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

- **Department issuing MSDS:** Product safety department.

- **Contact:** PPG Industries UK Ltd

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· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation 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

GHS: Globally Harmonized 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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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

This data sheet is compiled to be of assistance but without guarantee. Users are responsible for safe working practices. Final determination of suitability of any material is the sole responsibility of the user.