

**Brown Brothers Distribution Ltd**

PO Box 162, Needham Road, Stowmarket IP14 2ZR

Tel : 01449 778 333 Fax : 01449 773 472

## Safety Data Sheet: CAVITY WAX AEROSOL

Product Name	: CAVITY WAX AMBER AEROSOL
Product Code	: BDPBCWA
Revision Date	: 01/01/2016
Revision Number	: 2

Company	: Brown Brothers Distribution Limited
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### SECTION 2: Hazards identification

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



GHS02

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



GHS08

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.



GHS09

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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

### · 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

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GHS02 GHS07 GHS08 GHS09

· **Signal word** Danger

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

Naphtha (petroleum), hydrodesulfurized heavy

Naphtha (petroleum), hydrotreated light

· **Hazard statements**

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

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

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

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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.

· **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

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**

The petroleum naphtha / petroleum distillate / lubricating oil meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w) DMSO extract (IP 346)).

· **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 substances listed below with additions.

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· <b>Dangerous components:</b>		
CAS: 64742-82-1 EINECS: 265-185-4 Reg.nr.: 01-2119458049-33	Naphtha (petroleum), hydrodesulfurized heavy ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 1, H372; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	10-<25%
CAS: 74-98-6 EINECS: 200-827-9	Propane liquefied ⚠ Flam. Gas 1, H220; Press. Gas C, H280	10-<25%
CAS: 106-97-8 EINECS: 203-448-7	Butane, pure ⚠ Flam. Gas 1, H220; Press. Gas C, H280	10-<25%
CAS: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum), hydrotreated light ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	5-<10%
CAS: 75-28-5 EINECS: 200-857-2	Isobutane ⚠ Flam. Gas 1, H220; Press. Gas C, H280	5-<10%
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304	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 inhalation:** Supply fresh air or oxygen; call for doctor.

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

· **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

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

Disorientation

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### · 5.1 Extinguishing media

#### · Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **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.

### · 5.3 Advice for firefighters

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

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

## 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.

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Do not allow to enter sewers/ surface or ground water.

### · **6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Absorb liquid components with liquid-binding material.

### · **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.

Use only in well ventilated areas.

### · **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**

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### · Ingredients with limit values that require monitoring at the workplace:

#### 106-97-8 Butane, pure

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm  
 Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm  
 Carc (if more than 0.1% of buta-1.3-diene)

### · DNELs

#### 64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Oral	Long-term - systemic effects, general population	26 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, general population	26 mg/kg bw/day (General population)
	Long-term - systemic effects, worker	44 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, general population	71 mg/m <sup>3</sup> (General Population)
	Long-term - systemic effects, worker	330 mg/m <sup>3</sup> (Worker)

· **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:



Filter AX

· **Protection of hands:** Not required.

#### · 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: 0,12 mm

#### · Penetration time of glove material

> 480 min.

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

#### · Eye protection:



Tightly sealed goggles

## 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

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- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
- Melting point/Melting range:** Undetermined.
- Boiling point/Boiling range:** < 35 °C
- **Flash point:** < 0 °C (DIN 53213)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** > 200 °C
- **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:** 10.9 Vol %
- **Vapour pressure At 20 °C:** 8300 hPa
- **Vapour pressure At 50 °C:** 15 hPa
- **Density At 20 °C:** 0.7346 g/cm<sup>3</sup> (DIN 51757)
- **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:** 72.0 %
- Solids content:** 27.1 % (DIN 53216)
- **9.2 Other information** No further relevant information available.
- **VOC (EU):** 77.42 %
- **VOC (EU):** 568.7 g/l
- **VOCV:** 71.98 %

## **SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **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**

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· <b>LD/LC50 values relevant for classification:</b>		
<b>ATE (Acute Toxicity Estimates)</b>		
Inhalative	LC50/4 h	56.3 mg/l (RAT)
<b>64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy</b>		
Oral	LD50	> 5000 mg/kg (RAT)
Dermal	LD50	3400 mg/kg (RABBIT)
Inhalative	LC50/4 h	13.1 mg/l (RAT)
<b>106-97-8 Butane, pure</b>		
Inhalative	LC50/4 h	658 mg/l (rat)
<b>64742-49-0 Naphtha (petroleum), hydrotreated light</b>		
Oral	LD50	> 5000 mg/kg (RAT)
Dermal	LD50	> 2600 mg/kg (RABBIT)
Inhalative	LC50/4 h	> 193 mg/l (RAT)
<b>64742-48-9 Naphtha (petroleum), hydrotreated heavy</b>		
Oral	LD50	> 5000 mg/kg (RAT)
Dermal	LD50	> 3000 mg/kg (RAT)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause drowsiness or dizziness.
- **STOT-repeated exposure**  
Causes damage to the central nervous system through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### · 12.1 Toxicity

· <b>Aquatic toxicity:</b>		
<b>64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy</b>		
EC50/48 h	10-22 mg/l (DAPHNIA MAGNA)	
EC50/72 h	4.6-10 mg/l (ALGAE)	
EC50/96 h	10-30 mg/L (Fish)	
<b>64742-49-0 Naphtha (petroleum), hydrotreated light</b>		
EC50/48 h	10 mg/l (PHAEOPHYTA)	

- **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.

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### · Ecotoxicological effects:

· **Remark:** Toxic for 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.

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.

Dispose of as dangerous waste.

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

· **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, ENVIRONMENTALLY HAZARDOUS**

· **IMDG AEROSOLS** (Naphtha (petroleum), hydrodesulfurized heavy, Naphtha (petroleum), hydrotreated light), **MARINE POLLUTANT**

· **IATA AEROSOLS**, flammable

### · 14.3 Transport hazard class(es)

· **ADR**



· **Class 2.5F Gases.**

· **Label 2.1**

· **IMDG**





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- Class 2.1
- Label 2.1
- IATA



- Class 2.1
- Label 2.1
- 14.4 Packing group
- ADR, IMDG, IATA Void
- 14.5 Environmental hazards: Product contains environmentally hazardous substances: Naphtha (petroleum), hydrodesulfurized heavy
- Marine pollutant: Yes
- Symbol (fish and tree)
- Special marking (ADR): Symbol (fish and tree)
- 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 Marpol and the IBC Code Not applicable.
- Transport/Additional information: Transport classification ADR/IMDG is based on packaging >30ltr(IMDG), <450ltr(ADR).
- For other packaging untis different classification can apply.
- ADR
- 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

· UN "Model Regulation": UN1950, AEROSOLS, 2.1, 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 GHS08 GHS09

- Signal word Danger

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### · Hazard-determining components of labelling:

Naphtha (petroleum), hydrodesulfurized heavy

Naphtha (petroleum), hydrotreated light

### · Hazard statements

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

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

### · Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

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

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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.

### · Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

### · National regulations:

### · Technical instructions (air):

<i>Class</i>	<i>Share in %</i>
<i>NK</i>	<i>72.0</i>

· **Waterhazard class:** Water hazard class 2 (Self-assessment): 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

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.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

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

· **Contact:** enquiries@brownbrothers.com

### · Abbreviations and acronyms:

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

ICAO: International Civil Aviation Organisation

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

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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)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
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. 2: Flammable liquids, Hazard Category 2  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1  
Asp. Tox. 1: Aspiration hazard, Hazard Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2  
· \* **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.**