

## 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 1L CLEAR

Product Name	: CAVITY WAX 1L CLEAR
Product Code	: BCCW1
Revision Date	: 01/01/2016
Revision Number	: 2

Company	: Brown Brothers Distribution Limited
Address	: PO Box 162 Needham Road Stowmarket IP14 2ZR
Telephone	: 0044 (0) 1449 778333
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### · 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· **Application of the substance / the mixture** Anticorrosion additive

## SECTION 2: Hazards identification

### · 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**



GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.



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 Sens. 1 H317 May cause an allergic skin reaction.  
STOT SE 3 H336 May cause drowsiness or dizziness.

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



Xn; Harmful

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.



Xi; Sensitising

R43: May cause sensitisation by skin contact.



N; Dangerous for the environment

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

R10-66-67: Flammable. Repeated exposure may cause skin dryness or cracking. 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.

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

Has a narcotising 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

GHS08

GHS09

#### · Signal word Danger

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

Naphtha (petroleum), hydrodesulfurized heavy

Calcium Sulfonate

Naphtha (petroleum), hydrotreated heavy

#### · Hazard statements

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

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.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection.

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

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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

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.

· Dangerous components:		
CAS: 64742-82-1 EINECS: 265-185-4 Reg.nr.: 01-2119458049-33	Naphtha (petroleum), hydrodesulfurized heavy ☒ Xn R48/20-65; ☒ N R51/53 R10-66-67 ----- ☠ Flam. Liq. 3, H226; ☠ STOT RE 1, H372; Asp. Tox. 1, H304; ☠ Aquatic Chronic 2, H411; ☠ STOT SE 3, H336	25-<50%
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy ☒ Xn R65 R10-66-67 ----- ☠ Flam. Liq. 3, H226; ☠ Asp. Tox. 1, H304; ☠ STOT SE 3, H336	5-<10%
CAS: 61789-86-4	Calcium Sulfonate ☒ Xi R43 ----- ☠ Skin Sens. 1, H317	5-<10%

## SECTION 4: First aid measures

### · 4.1 Description of first aid measures

#### · After inhalation:

Supply fresh air or oxygen; call for doctor.

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

#### · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

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, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents: Water with full jet

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· **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.

Avoid contact with skin, eyes and clothes.

· **6.2 Environmental precautions:**

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).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **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:** No special requirements.

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

· **Further information about storage conditions:** Keep container tightly sealed.

· **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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· <b>DNELs</b>		
<b>64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy</b>		
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:**



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Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
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.



Filter AX

### · 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:  $\approx 0.12$  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

· **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: Beige

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

#### · Change in condition

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

**Boiling point/Boiling range:** 135 °C

· **Flash point:** 31 °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:** 27 hPa
- **Vapour pressure At 50 °C:** 15 hPa
- **Density At 20 °C:** 0.85 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:** 30 s (DIN 53211/4)

- **Solvent content:**

**Organic solvents:** 52.2 %

**Solids content:** 47.8 % (DIN 53216)

- **9.2 Other information** No further relevant information available.

· **VOC (EU):** 52.17 %

· **VOC (EU):** 443.5 g/l

· **VOCV:** 52.17 %

## 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:** 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	30.6 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>64742-48-9 Naphtha (petroleum), hydrotreated heavy</b>		
Oral	LD50	>5000 mg/kg (RAT)
Dermal	LD50	>3000 mg/kg (RAT)

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitisation:** Sensitisation possible through skin contact.

· **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

No further relevant information available.

## 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)

· **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 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**

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Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Dispose of as dangerous waste.

· <i>European waste catalogue</i>	
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

- **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 640E**
- **IMDG COATING SOLUTION (Naphtha (petroleum), hydrodesulfurized heavy), 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, IMDG, IATA III**
- **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: Flammable liquids.
- **Danger code (Kemler):** 30
- **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:** Transport classification ADR/IMDG is based on packaging >30ltr(IMDG), <450ltr(ADR).



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For other packaging units different classification can apply.

- **ADR**
- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1
- Maximum net quantity per inner packaging: 30 ml
- Maximum net quantity per outer packaging: 1000 ml
- **Transport category** 3
- **Tunnel restriction code** D/E
- **IMDG**
- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E1
- Maximum net quantity per inner packaging: 30 ml
- Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation"**: UN1139, COATING SOLUTION, special provision 640E, 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 GHS08 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Naphtha (petroleum), hydrodesulfurized heavy  
Calcium Sulfonate  
Naphtha (petroleum), hydrotreated heavy
- **Hazard statements**  
H226 Flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
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.  
P243 Take precautionary measures against static discharge.  
P280 Wear protective gloves/protective clothing/eye protection.  
P303+P361+P353 IF ON SKIN (or hair): Remove/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.
- **National regulations:**
- **Technical instructions (air):**

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Class	Share in %
NK	52.2

- **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

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

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.

R10 Flammable.

R43 May cause sensitisation by skin contact.

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.

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:** .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

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

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

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

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

**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.**