

Material Safety Data Sheet

Date prepared: 12/12/13

Date revised:

version 1

1. Identification of the Substance/Preparation and the Company/Undertaking

1.1 Product identifier: 78516

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified use(s): Various Industrial Applications

1.3 Details of the supplier of the safety data sheet:

Major Brushes Ltd
Unit C3 Capital Point
Capital Business Park
Parkway
Cardiff
CF3 2PY

2. Hazards Identification

2.1 Classification of the substance or mixture: Does not contain any components which are hazardous according to the Dangerous Substance Directive (67/548/EC) or CLP Regulation 1272/2008/EC

2.2 Label Elements: Does not require a hazard warning label in accordance with Dangerous Substance Directive (67/548/EC) or CLP Regulation 1272/2008/EC

2.3 Other Hazards:

Health:	Unlikely to cause eye irritation. Unlikely to cause skin irritation. Not volatile. It is not likely to be an inhalation hazard at normal ambient temperatures. If overheated, fumes and vapours are irritating to the breathing passages and lungs. Ingestion is not likely to cause adverse systemic health effects.
Environmental:	Although no specific ecological hazards are expected and bioaccumulation is unlikely, spillage into the environment should always be avoided.
Physical/Chemical:	Not applicable.
Additional Information:	Hot molten liquid may cause thermal burns.

3. Composition

3.1 Substances:

Paraffin Wax (Petroleum)

EC-No: 232-315-6

CAS-No: 8002-74-2

%-mass: 100

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There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

3.2 Mixtures: Not Applicable

4. First aid measures

4.1 Description of First Aid Measures

Inhalation Remove the affected person to fresh air. If recovery is not rapid, obtain medical attention

Skin Contact Wash the affected parts of the body with soap and water. No emergency measures are necessary but if adverse skin effects follow, refer for medical attention.

Ingestion Do not induce vomiting. No emergency measures are needed but if adverse health effects follow, refer for medical attention.

Eye Contact Flush eyes immediately with fresh water for at least 5 minutes while holding the eyelids open. No emergency measures are necessary but if adverse eye effects follow, refer for medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Inhalation Over-heated wax can produce fumes which may be irritant when breathed in.

Skin Contact May cause slight irritation to skin.

Ingestion No known significant effects or critical hazards

Eye Contact May cause slight irritation to eyes

4.3 Indication of any immediate medical attention and special treatment needed

In contact with or splashed by hot molten liquid:

Skin Contact Cool the skin immediately with cool water. Treat burns according to their severity. To avoid damage to the skin no attempt should be made to remove paraffin wax firmly adhering to the skin. In case of circumferential burns splitting of paraffin wax ring may be considered to prevent tourniquet effect. Obtain medical attention. Never try to remove the material with solvents.

Contact with eyes Cool the area immediately with cold water. Seek advice of an ophthalmologist.

5. Fire fighting measures

5.1 Extinguishing media: Foam, dry chemical, carbon dioxide, water mist.

5.2 Special hazards arising from the substance or mixture: Slight flammability hazard when exposed to heat or flame. During a fire, toxic gases (carbon monoxide, nitrous gases) may be generated by thermal decomposition or combustion.

5.3 Advice for firefighters: Only suitably trained personnel should attempt to tackle fires. Do not stay in the danger zone without respiratory protective equipment and protective clothing.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Surfaces may become slippery after spillage.

6.2 Environmental precautions: Water may be used to flush spills away from sources of ignition. Do not allow the product to enter public drainage system or open water courses.

6.3 Methods and material for containment and cleaning up: Scrape up spilled substance and remove to containers for disposal. Use Sand or active clay to absorb molten product or allow to set before removal.

6.4 Reference to other Sections: See sections 8 and 13

7. Handling and storage

7.1 Precautions for safe handling: Avoid skin contact. Avoid inhalation of vapour, mist or fumes. Do not wear contaminated clothing. Recommended temperature for handling is 60 - 80°C. Wash hands after working with the material.

7.2 Conditions for safe storage, including any incompatibilities: Keep containers tightly closed.

7.3 Specific end use(s): This material is formulated for various uses.

8. Exposure Controls/Personal Protection

8.1 Control Parameters: TWA TLV (ACGIH): 2 mg/m³ (paraffin wax fumes). However in all circumstances exposure should be kept as low as reasonably possible by good ventilation and safe working practices.

8.2 Exposure Controls

Appropriate engineering measures No special measures needed.

Respiratory protection Inhalation of the vapour, fumes or mists should be avoided by safe working practices and good ventilation.

Eye protection No special precautions are needed beyond clean working conditions and safe handling practices.

Skin protection No special precautions are needed beyond clean working conditions and safe handling practices. PVC or nitrile gloves may be suitable.

9. Physical and chemical properties

9.1 Information on basic chemical and physical properties:

Appearance:	Liquid (at elevated temperature) Solid (at ambient temperature)
Odour:	Typical

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Odour threshold:	Not determined
pH:	Neutral
Melting point/ Congealing point:	52 - 54 °C
Boiling point/ range:	Initial boiling point >300 deg C
Flash Point:	> 150 deg. C, (ASTM D92, COC)
Evaporation Point:	Not determined
Flammability (solid, gas):	May be combustible at high temperature
Explosion Limits:	Not determined
Vapour pressure:	Negligible
Vapour density:	Not determined
Relative density (at 15°C):	0.83 – 0.86
Solubility in water:	<1 mg/l
Solubility in other solvents:	Petroleum Ether, Ethyl Acetate
Partition coefficient n-octanol/water:	Not determined
Auto-ignition temperature:	>200 deg. C.
Decomposition temperature:	Not determined
Viscosity (Kinematic, at 100°C):	4.0cst
Explosive properties:	Not determined
Oxidizing properties:	Not determined

9.2 Other Information: None

10. Stability and reactivity

10.1 Reactivity: This product is not reactive under normal storage and handling conditions (see section 7).

10.2 Chemical stability: Under normal storage and handling conditions, this product is stable. May react with strong oxidising agents, especially at high temperatures.

10.3 Possibility of hazardous reactions: No specific hazardous reactions are expected to occur.

10.4 Conditions to avoid: The product is combustible when heated > 300 °C.

10.5 Incompatible materials: May react with strong oxidants.

10.6 Hazardous decomposition products: Thermal decomposition or incomplete combustion may produce carbon monoxide, nitrous gases and irritating fumes.

11. Toxicological information

11.1 Information on toxicological effects

Inhalation Not volatile. It is not likely to be an inhalation hazard at normal ambient temperatures. If overheated, fumes and vapours are irritating to the breathing passages and lungs.

Skin contact Unlikely to cause skin irritation.

Eye contact Unlikely to cause eye irritation.

Ingestion Ingestion is unlikely to cause adverse systematic health effects.

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Other Petroleum waxes are generally regarded as non-toxic, relatively harmless and not irritating under normal usage. Studies on related substances, i.e. base oils and waxes, indicate oral and dermal LD50 of >2g/kg.

12. Ecological information

12.1 Toxicity: No known significant effects or critical hazards

12.2 Persistence and degradability: This product is not readily biodegradable

12.3 Bioaccumulative potential: Data not available

12.4 Mobility in soil: Data not available

12.5 Results of PBT and vPvB assessment: This substance does not fulfil the criteria for being classed as a PBT or vPvB substance.

12.6 Other adverse effects: No other adverse effects are observed.

13 Disposal Considerations

13.1 Waste treatment methods: Transport to authorised waste location, or incinerate under controlled conditions (EU Directives 2000/76/EC and 1999/31/EC apply). European Waste Catalogue No. 050199/130899.

14. Transport information

14.1 UN number: Not Classified.

14.2 UN Proper shipping name: Not Classified

14.3 Transport Hazard Class(es): Not Classified

14.4 Packing Group: Not Classified

14.5 Environmental Hazards: None

14.6 Special Precautions for user: None

14.7 Transport in bulk according to Annex II of MARPOL&3/78 and the IBC code: Not Classified

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: Regulations No. 2037/2000 (Ozone depleters), No. 850/2004 (POPs) and No. 689/2008 (Export/import of dangerous chemicals) not applicable for this substance.

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15.2 Chemical Safety Assessment: The supplier has not performed a chemical safety assessment of this substance.

16. OTHER INFORMATION

None

DISCLAIMER:

The information and recommendations contained herein are, to the best of the supplier's knowledge and belief, accurate and reliable as of the date issued, but is offered without guarantee or warranty. They relate to the specific material designated and may not be valid for such material used in combination with any other materials in any process. Conditions of use of the material are under the control of the user. Therefore, it is the user's responsibility to satisfy their self as to the suitability and completeness of such information for their own particular use.