



PRODUCT SAFETY DATA SHEET NUMBER : 1014 (I4)**DATE OF ISSUE****: 13/02/2003****Issue No. 4**

1. IDENTIFICATION OF PRODUCT & COMPANY**Product Group & Description**

BW01 BRIWAX
BW01 BRIWAX VM5/99/B
BW01 BRIWAX VN8/87
BW03 BRIWAX ORIGINAL
BW05 BRIWAX ORIGINAL
BW13 BRIWAX ORIGINAL
BW85 BRIWAX (GERMAN CAN)
BW87 BRIWAX (EXPORT)

Product Group & Description

BW01 BRIWAX DARK HONEY TO PATTERN
BW01 BRIWAX VN6/80
BW01 LTP WAX
BW04 BRIWAX ORIGINAL
BW13 BRIWAX
BW80 BRIWAX ORIGINAL
BW87 BRIWAX (DUTCH CAN)

INTENDED USE

A wax polish for application by rag or wire wool. Suitability for other uses to be referred to the manufacturer.

SUPPLIER

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2. COMPOSITION/INFORMATION OF INGREDIENTS

Substances presenting a Health or Environmental hazard within the meaning of The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

A blend of waxes and dyestuffs with organic solvents.

| Substance Name | ENICS | CAS No | %age Range | Symbol letter | Risk Phrases (*) |
|---|-----------|------------|---------------|---------------|--------------------|
| TOLUENE | 203-625-9 | 108-88-3 | >75% & =<100% | Xn,F | 20-11 |
| NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY | 265-185-4 | 64742-82-1 | >0% & =<1% | Xn,N,, | 65-51/53-10 -66 |

(*) for full text of Risk Phrases see Section 16 'Other Information'16

3. HAZARDS IDENTIFICATION

Classification

F - Highly Flammable

Xn - Harmful

Risk Phrases

Highly Flammable

Harmful by inhalation

'P' Phrases

Trade users, please refer to safety data sheet before use.

4. FIRST AID MEASURES

| | |
|--------------|---|
| GENERAL | In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. |
| INHALATION | Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, give artificial respiration. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice. |
| EYE CONTACT | Remove contact lenses. Holding the eyelids apart, irrigate copiously with clean, fresh water for at least 10 minutes. Seek medical advice. |
| SKIN CONTACT | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners. |
| INGESTION | If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. |

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

| | |
|----------------|---|
| RECOMMENDED | Alcohol Resistant Foam, Carbon dioxide, Dry Powder, Halogenated Hydrocarbons, Sand. |
| NOT TO BE USED | Water. |

SPECIAL INSTRUCTIONS FOR FIRE FIGHTING PERSONNEL

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with a water spray. Do not allow run off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Do not allow to enter drains or watercourses. If the product enters drains or sewers, immediately contact the local water company; in the case of contamination of streams, rivers or lakes, contact the National Rivers Authority. Clean preferably with a detergent, avoid the use of solvents.

7. STORAGE & HANDLING

Handling

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of explosive or flammable mixtures and avoid vapour concentrations higher than the occupational Exposure Limit Values. Do not use in areas where potential sources of ignition exist. Electrical equipment should be protected to the appropriate standard. Use non-sparking tools. Keep container tightly closed. Exclude sources of heat, sparks and open flame. Never use pressure to empty, container is not a pressure vessel. Always keep in containers made of the same material as the supply container. Avoid skin and eye contact. Avoid the inhalation of vapour and mist. Smoking, eating and drinking should be prohibited in storage and use areas. For Occupational Exposure Controls, see Section 8. The product may charge electrostatically. Always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing. Floors should be electrically conductive. The accumulation of contaminated rags may result in spontaneous combustion. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.

Storage

Store in accordance with the conditions of the licence which is necessary under the Petroleum (Consolidation) Act. See the HSE guidance note

Storage of Flammable Liquids in Containers.

Observe the label precautions. Store between 5 & 25°C in a dry well ventilated place away from sources of heat, ignition and direct sunlight.

No smoking.

Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage.

The principles contained in the HSE's guidance note Storage of Packaged Dangerous substances should be observed when storing this product.

Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

If extraction methods are not sufficient to maintain concentrations of solvent vapours and/or particulates below relevant occupational Exposure Limit Values, suitable respiratory protective equipment should be worn (see "Occupational Exposure Controls" below).

Exposure Limits

| Substance Name | Occupational Exposure Limits | | | | Notation |
|---|------------------------------|--------|------------|--------|----------|
| | 8hr LTEL | | 15min STEL | | |
| | ppm | mg/m3 | ppm | mg/m3 | |
| TOLUENE | 50.00 | 188.00 | 150.00 | 560.00 | Sk OES |
| NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY | 600.00 | | | | OES |

NOTES

LTEL = Long Term Exposure Limit - 8 hour time weighted average

STEL = Short Term Exposure Limit - 15 minute reference period.

Notations = Sk - risk of absorption through skin Sen - respiratory sensitiser.

Notations = SK - Risk of absorption through skin SEN - Respiratory Sensitiser Bmgv - Biological Monitoring may be appropriate (see Biological Monitoring Guidance Value in EH40 Table 3)

OEL's are from EH40 except where marked SUP which are assigned by the supplier of the substance.

Personal Protection

General Protection

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

Respiratory Protection

Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and methods cannot reasonably be improved.

Hand Protection

When skin exposure may occur, advice should be sought from glove suppliers on appropriate glove types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye Protection

Eye protection designed to protect against liquid splashes should be worn.

Skin Protection

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. Regular skin inspection of users of this product is recommended. ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.

9. PHYSICAL & CHEMICAL PROPERTIES

| | | |
|-----------------------|------------------|---|
| PHYSICAL STATE | PASTE | |
| FLASH POINT | • 0 >C & < 21 >C | Method: Abel Apparatus to British Standard BS 2000 Pt.170 |
| VISCOSITY | | Method: |
| SPECIFIC GRAVITY | .871 gms/cc | Method: Gravity Cup |
| V.O.C. CONTENT | .663 Kgs/lt | |
| VAPOUR DENSITY | HEAVIER than Air | |
| LOWER EXPLOSION LIMIT | .8 % Vol | |
| SOLUBILITY IN WATER | IMMISCIBLE | |

10. STABILITY & REACTIVITY

Stable under the recommended storage and handling conditions (see Section 7).

In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and strongly acidic

materials to prevent the possibility of an exothermic reaction.

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. See sections 3 and 15 for details of the resulting hazard classification.

Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects such as irritation of the mucous membrane and respiratory system and adverse effects on kidney, liver and central nervous system.

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Solvents may cause some of the above effects by absorption through the skin.

Repeated or prolonged contact with the product may cause removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

Splashes in the eye may cause irritation and reversible local damage.

12. ECOLOGICAL INFORMATION

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

The LAPC requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

The product has been assessed following the conventional method in CHIP and is not classified as dangerous for the environment, but contains substances so classified. See Section 2 for details.

See also sections 5, 6 and 13.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and Environmental Protection Act.

14. TRANSPORT INFORMATION

| | | | |
|-----------|---------------------|-------------------|-------------|
| Road/Rail | UN No.....1263 | Packing Group...2 | Class.....3 |
| | Designation...PAINT | | |

| | | |
|----------------------------|---|--|
| Sea | Packing Grp.<=30lts.... Class..... Marine Pollutant..... Ems..... Main Risk..... Sub Risk..... Shipping Name. | Packing Grp.>30lts..... UN Number..... MFAG..... |
| Air | Packing Grp.<=30lts.... Class..... UN/IATA ID Number..... Main Risk..... Sub Risk..... Shipping Name. | Packing Grp.>30lts..... |
| International Road/Rail | Packing Group..... Item Number..... Main Risk..... Sub Risk..... Shipping Name. | Class..... UN Number..... |

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations as follows.

Classification
F - Highly Flammable
Xn - Harmful

Contains
TOLUENE

Risk Phrases
Highly Flammable
Harmful by inhalation

Safety Phrases
Keep out of reach of children
Keep container tightly closed and in a well ventilated place.
Keep away from sources of ignition - No smoking
Use only in well ventilated areas.
If swallowed seek medical advice immediately and show this container or

label.

Dispose of this material and its container to hazardous or special waste collection point

'P' Phrases

Trade users, please refer to safety data sheet before use.

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health & safety legislation.

The provisions of the Health & Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

16. OTHER INFORMATION

Text of any Risk Phrases listed in Section 2

| | |
|--------|--|
| R10 | Flammable |
| R11 | Highly Flammable |
| R20 | Harmful by 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. |

Date of last revision 27/01/03

New issue results from changes in Section(s) 2-3-7-8-12-15

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:-

The Control Of Substances Hazardous to Health Regulations 1999 (SI 1999:437)

The Manual Handling Operations Regulations 1992 (SI 1992: 2793)

Storage of Flammable Liquids in Containers. HS(G)51

Storage of Packaged Dangerous Substances. HS(G)71

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1988:

2839)

COSHH Essentials: easy steps to control chemicals, HS(G)193. Details of available Control Guidance Sheets, which may be relevant to the particular conditions of use, can be found in HS(G)193.

Exclusion List for Printing Inks and Related Products 1999, CEPE (from BCF tel: 01372 360 660)

SBPIM's Safety and Handling of Printing Inks and Auxiliary Materials. (from BCF tel: 01372 360 660)

*** * [End of Data Sheet] * ***