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### Cranfield Beeswax in White Spirit

(TNL 801096—802096)

#### 1. Identification of the substance/preparation and of the company/undertaking

Product name: Cranfield Beeswax in White Spirit  
Product code: 801096, 802096  
Relevant identified uses of the substance or mixture:  
Artists' Medium  
Company name: Cranfield Colours Ltd  
44-47 Springvale Estate  
Cwmbran NP44 5BB, Wales, UK  
Tel: 01633 861 421  
Website: www.cranfield-colours.co.uk  
Email: hello@cranfield-colours.co.uk

#### 2. Hazards identification

##### 2.1. Classification of the substance or mixture

Classification according to EC 1272/2008

##### 2.2. Label elements:

Label in accordance with EC 1272/2008



Signal word

Danger

H226 Physical Flam. Liquid & vapour— Category 3  
H304 Health EUH066; Asp. Tox. 1  
H411 Environmental Aquatic Chronic 2

##### Hazard Statements

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.  
H066 Repeated exposure may cause skin dryness or cracking.  
H336 May cause drowsiness or dizziness.

##### Precautionary Statements:

P101 - If medical advice is needed, have product container or label at hand.

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P102	Keep out of reach of children
P103	Read label before use.
P301	IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P304/340	IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing.
P260	Do not breathe vapours.
P262	Do not get in eyes, on skin, or on clothing.
<b>Other Hazards:</b>	
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303/361/353	IF ON SKIN Remove immediately all contaminated clothing. Rinse skin with water/shower.
P403/235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to local authority licensed special waste facility.

### 3. Composition/information on ingredients

#### 3.1. Substances

Name	CAS Number	EC Number	Concentration	Classification
Naphtha (petroleum) hydro-treated heavy [Hydrocarbons c9-c12 n alkanes isoalkanes cyclics aromatics (2-25%)]	64742-82-1	265-185-4	40-60%	H226; H304; H411; EUH066; H366

#### 3.2. Mixtures

White Spirit (Turpentine Substitute) in Beeswax.

### 4. First aid measures

#### 4.1. Description of first aid measures

<u>Inhalation</u>	Avoid working in a poorly ventilated, confined space. Remove to fresh air and rest. If irritation or breathing difficulties persist, seek medical attention.
<u>Ingestion</u>	Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show this data sheet.
<u>Skin content</u>	Wash off skin with warm soapy water. Remove contaminated clothing and launder regularly. Prolonged and unattended contact should be avoided. Where irritation to skin is apparent seek medical attention.
<u>Eye contact</u>	Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.

#### 4.2. Most important symptoms and effects, both acute and delayed

<u>Skin content</u>	Prolonged or repeated contact may cause irritation and dry skin.
<u>Eye contact</u>	Burning feeling and temporary redness.

#### Ingestion

Nausea, vomiting, abdominal pain.

#### Inhalation

Vapours inhaled in strong concentration have a narcotic effect on the central nervous system. Irritation of the respiratory tract due to excessive fumes causes headache, drowsiness or other effects to the central nervous system, loss of consciousness.

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

This will be needed to resolve the most severe risk which is through ingestion as the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours).

### **5. Fire-fighting measures**

#### **5.1. Extinguishing media**

Dry powder; Foam, CO<sub>2</sub> – Do not use water jets. Extinguishing media which should not be used for safety reasons: Water.

#### **5.2. Special hazards arising from the substance or mixture**

Products of decomposition/combustion include: noxious, irritating fumes, carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), smoke.

#### **5.3. Advice for fire-fighters**

No one other than trained fire fighters should attempt to fight fires. Use approved self-contained breathing apparatus. Only use a fine water spray to cool down heat affected containers – not burning product. Product will be slippery when wet. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

### **6. Accidental release measures**

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

Ventilate area and eliminate all sources of ignition. Wear personal protective equipment recommended in section 8.

#### **6.2. Environmental precautions:**

Do not allow spill to enter drains or watercourses. Form a dam with sand, earth or a boom. Absorb, bund and scrape spillages onto sand, sawdust or absorbent granules.

#### **6.3. Methods and material for containment and cleaning up**

Confine residues in clearly marked sealed containers for disposal in accordance with Local Authority regulations for highly flammable products – subject to special waste management controls. Avoid dust formation.

#### **6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

### **7. Handling and storage**

#### **7.1. Precautions for safe handling:**

Eliminate all sources of ignition. Risk of vapour concentration on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented. Use explosion proof electric equipment. Wear full protective clothing for prolonged exposure and/or high concentrations. Contaminated clothing and shoes must be discarded. Contaminated rags and cloths must be put in fireproof containers for disposal. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Avoid the formation and deposition of dust.

## 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Take precautionary measures against static discharges. Protect from light. Protect from heat and direct solar radiation.

Keep away from oxidisers, heat and flames. May attack some plastics, rubber and coatings.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

Substance	8 hour exposure limit	15 minute exposure limit source. Type
White Spirit	WEL - 350mg/m <sup>3</sup>	STEL - 600mg/m <sup>3</sup>

DNEL's (Derived No effect levels) for workers For Methanol component only (< 5%)

Exposure Pattern	Route	DNEL	Dose descriptor
Acute systemic effects	Dermal		
Acute systemic effects	Inhalation	330 per 8 hours mg/m <sup>3</sup>	Industry
Acute Local effects	Dermal		
Acute Local effects	Inhalation	71 per 24 hours mg/m <sup>3</sup>	Consumer
Long term systemic effects	Dermal	44 mg/kg/day	Industry
Long term systemic effects	Inhalation		
Long term local effects	Dermal	26mg/kg/day	Consumer
Long term local effects	Inhalation		

### 8.2 Exposure controls:

Engineering Controls: Provide adequate general and local exhaust ventilation.

#### Personal protective equipment

Respiratory protection: No specific recommendation is made, but appropriately specified respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use fine dust mask with P1 filter in case of dust development.

Hand protection: Protective gloves must be used. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Use protective gloves made of nitrile.

Eye protection: BS 2092 approved safety Goggles should be worn for all applications to help prevent accidental face/eye contact. Other Protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### 8.3 General safety and Hygiene measures:

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## 9 Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical form	White opaque paste
Colour	White
Odour	Aromatic hydrocarbon / soft characteristic
pH value:	N/A
Boiling point (°C)	150—200°C
Auto-ignition temperature:	>230°C
Flash point	3 9°C
Boiling point	150—200°C
Melting point	<- 20°C
Vapour pressure	< 5 kPa 20
Vapour Density	N/A
Relative density	0.775 – 1.05
Water Solubility	Nil
Solubility in oils	100%
Partition coefficient (Kow)	N/A
Explosive properties:	May form explosive mixtures with air.
Oxidising properties:	N/A

## 10. Stability and reactivity

### 10.1. Reactivity

Stable except when ignited. Reacts with strong oxidizing agents

### 10.2. Chemical stability

Stable under the prescribed storage conditions.

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

Sources of ignition. Avoid static discharge.

Reactions with strong oxidizing agents

Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

### 10.5. Incompatible materials

Acids & Oxidising agents.

### 10.6. Hazardous decomposition products

Fire creates toxic fumes.

## 11. Toxicological information

### Routes of exposure

Inhalation, skin contact and ingestion.

### Assessment of acute toxicity:

This product has not been exhaustively tested. Judgements on the expected toxicity of this product have been made based upon consideration of its' major components.

### Eye Damage/Irritation

Burning feeling and temporary redness

### **Skin corrosivity/irritation**

May cause de-fatting of the skin

### **Respiratory/skin sensitisation**

N/A

### **Germ cell mutagenicity**

N/A

### **Carcinogenicity**

No evidence of carcinogenic properties.

### **Reproductive toxicity**

N/A

### **Developmental toxicity**

Assessment of teratogenicity:

### **Specific target organ toxicity (single exposure)**

Toxic dose 1 - LD 50 >5050 mg/kg (oral rat).

### **Repeated dose toxicity and specific target organ toxicity (repeated exposure)**

Target Organs – Central nervous system Respiratory system, lungs.

### **Aspiration hazard**

The fluid can enter the lungs and cause damage (chemical pneumonitis, potentially fatal).

## **12. Ecological information**

### **12.1 Toxicity**

Assessment of aquatic toxicity: Acute Toxicity – Fish LC50 96 hours ~ 30 mg/l

### **12.2. Persistence and degradability**

The substance is readily biodegradable.

### **12.3. Bioaccumulative potential**

Negligible due to high volatility.

### **12.4. Mobility in soil**

75% degradable in 28 days

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

Not Classified as PBT/vPvB

### **12.6. Other adverse effects**

N/A

## **13. Disposal considerations**

### **13.1. Waste treatment methods**

Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Waste is suitable for incineration. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket. Where possible packaging should be collected for reuse or recycling.

When this product, in its liquid state, as supplied becomes waste it should be disposed of as hazardous waste using the waste code 08 01 11 waste paint and varnish containing organic solvents or other dangerous substances. Empty used containers should be disposed of as waste code 15 01 10 packaging containing residues of or contaminated by dangerous substances. When used the removed sludge should be disposed of using waste code 08 01 13 for paint & varnish sludge materials. Any absorbents used for clearing up soils should be disposed of using waste code 15 02 02, for absorbents contaminated by dangerous substances.

#### 14. Transport information

##### IMDG / IMO

Proper shipping name:	Turpentine Substitute
Hazard class:	3
UN/ID Number:	1300
Packing group:	III
Special user precautions:	EMS F-E, S-E
Environmental hazards:	Marine pollutant
Transport in bulk – IBC code:	Tunnel Restriction Code (D/E)

##### ADR / RID

Proper shipping name:	Turpentine Substitute
Hazard class:	3 Flammable liquids
UN/ID Number:	1300
Packing group:	III
Special user precautions:	Emergency Action Code 3Y
Environmental hazards:	Marine pollutant ICAO/IATA
Transport in bulk – IBC code:	Hazard No. (ADR) 33
Proper shipping name:	Turpentine Substitute Hazard Class: 3
UN/ID Number:	1300
Packing group:	III
Special user precautions:	Hazchem Code 3YE Environmental hazards Marine pollutant

#### 15. Regulatory information

##### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

All components are listed as existing substances in Europe.

##### UK regulatory regulations:

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations. Environmental Listing - Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

##### Statutory instruments:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Approved Code Of Practice Classification and Labelling of Substances and Preparations Dangerous for Supply.

##### Guidance Notes:

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

##### EU legislation

Dangerous Substance Directive 67/548/EEC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National regulations:

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps to Control Chemicals gives sound advice for deciding safe working control measures. Authorisations (Title VII Regulation 1907/2006) - No specific authorisations are noted for this product. Restrictions (Title VIII Regulation 1907/2006) - No specific restrictions of use are noted for this product.

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out for this product.

**16. Other information**

To best of our knowledge the information contain herein is accurate. However, neither the above supplier assumes any liability whatsoever for the accuracy or completeness of the information herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.