

**MATERIAL SAFETY DATA SHEET****BALSA CEMENT**

Revision Date: 19/04/2005

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING**

- 1.1 PRODUCTS IDENTIFICATION:** Balsa Cement
- 1.2 USE OF SUBSTANCE:** No information supplied
- 1.3. COMPANY:** Jarvis Manufacturing Co Ltd  
JBB House  
6 Hammond Avenue  
Whitehill Industrial Estate  
Reddish  
Stockport  
SK4 1PQ  
**Telephone Number:** 0161 480 2002  
**Fax Number:** 0161 429 6213
- 1.4. EMERGENCY TELEPHONE:** 0161 480 2002

**2. HAZARDS IDENTIFICATION**

Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**CLASSIFICATION:**

Xi;R36, F;R11. R66, R67

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient Name	EC No	CAS No	Content	Classification
ACETONE	200-562-2	67-64-1	10-30%	F;R11 Xi;R36 R66 R67
BUTNAOL - norm	200-751-6	71-36-3	5-10%	R10 Xn;R22 Xi;R37/38, R41 R67
ETHYL ACETATE	205-500-4	141-78-6	10-30%	F;R11 Xi;R36 R66 R67
METHANOL	200-659-6	87-56-1	1-5%	F;R11 T;R23/24/25, R39/23/24/25
METHYL ACETATE	201-185-2	79-20-9	10-30%	F;R11 Xi;R36 R66 R67

The full text for all R-Phrases are shown in Section 16

**Composition Comments:**

Cellulose Resins in solvent Blend

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**4. FIRST-AID MEASURES****General Information:**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Inhalation:**

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

**Eye Contact:**

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

**Skin Contact:**

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

**Ingestion:**

DO NOT induce vomiting. NEVER MAKE AN UNCONCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. Get medical attention immediately! NOTE! Keep affected person away from heat, sparks and flames.

**5. FIRE FIGHTING MEASURES****Extinguishing Media:**

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite, etc

**Special Fire-Fighting Procedures:**

Move container away from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water. Cool containers exposed to flames with water until well after fire is out. Keep run-off water out of sewers and water courses. Dike for water control. Ventilate closed spaces before entering them.

**Usual Fire & Explosion Hazards:**

HIGHLY FLAMMABLE! Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back. Solvent vapours may form explosive mixtures with air.

**6. ACCIDENTAL RELEASE MEASURES****Spill Clean Up Methods:**

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames and smoking. Ventilate. Stop leak if possible without risk. Provide ventilation and confine spill. Do not allow run-off to sewer. Absorb in vermiculite, dry sand or earth and place in to containers.

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Containers with collected spillage must be properly labeled with correct contents and hazard symbol. Flush with plenty of water to clean spillage area. Do not let washing down water contaminate ponds or waterways.

**7. HANDLING AND STORAGE**

**Usage Precautions:**

Static electricity and formation of sparks must be prevented. Keep away from heat, sparks and open flame. Use explosion proof electric equipment. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

**Storage Precautions:**

Keep away from heat, sparks and open flame. Store in tightly closed original container in a cool, dry, well-ventilated place. Keep in original container. Ground container and transfer equipment to eliminate static electric sparks.

**Storage Class:**

Flammable liquid storage

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Ingredient Name:	STD:	LT - ppm:	LT – mg/m <sup>3</sup> :	ST - ppm:	ST – mg/m <sup>3</sup> :
METHANOL	OES	200 ppm(Sk)	266 mg/m <sup>3</sup> (Sk)	250 ppm(Sk)	33 mg/m <sup>3</sup> (Sk)
BUTANOL – norm	OES			50 ppm(Sk)	154 mg/m <sup>3</sup> (Sk)
ACETONE	OES	500 ppm	1210 mg/m <sup>3</sup>	1500 ppm	3620 mg/m <sup>3</sup>
METHYL ACETATE	OES	200 ppm	616 mg/m <sup>3</sup>	250 ppm	770 mg/m <sup>3</sup>
ETHYL ACETATE	OES	200 ppm		400 ppm	

**Ingredient Comments:**

OES = Occupational Exposure Standard

**Protective Equipment:**



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**Engineering Measures:**

Explosion-proof general and local exhaust ventilation

**Respiratory Equipment:**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit.

**Hand Protection:**

Use protective gloves

**Eye Protection:**

Wear approved safety goggles. Contact lenses should not be worn when working with this chemical!

**Other Protection:**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**Hygienic Measures:****DO NOT SMOKE IN WORK AREA!**

Wash at end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Liquid**Boiling Point:****Relative Density:****Vapour Pressure:****Evaporation Rate:****Volatile by Vol (%):****Melting Point (°C):****Vapour Density (air=1):****Vapour Pressure:****Evaporation Factor:****Viscosity:****Flash Point (°C):****Flammability Limit – Lower (%):****Auto Ignition Temp (°C):****Flammability Limit – Upper (%)****10. STABILITY AND REACTIVITY****Stability:**

Stable under normal temperature conditions

**Conditions to Avoid:**

Avoid heat. Avoid contact with oxidisers or reducing agents.

**Hazardous Decomposition Products:**Fire creates: Vapours/gasses/fumes of: Carbon monoxide (CO). Carbon Dioxide (CO<sub>2</sub>)

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**11. TOXICOLOGICAL INFORMATION****Inhalation:**

Harmful by inhalation. Vapour from this chemical can be hazardous when inhaled. Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication.

**Ingestion:**

May cause discomfort if swallowed. May cause stomach pain or vomiting.

**Skin Contact:**

Acts as a defatting agent on skin. May cause cracking of skin and eczema

**Eye Contact:**

Spray and vapour in the eyes may cause irritation and smarting

**Route of Entry:**

Inhalation

**12. ECOLOGICAL INFORMATION**

No information supplied

**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

**14. TRANSPORT INFORMATION**

PROPER SHIPPING NAME:	ADHESVIES	ADR CLASS No:	3
UN NO. ROAD:	1133	ADR PACK GROUP:	5(b)
ADR CLASS:	Class 3: Flammable Liquids	ADR LABEL No:	3
HAZARD No (ADR):	33	CEFIC TEC(R) No:	30G80
HAZCHEM CODE:	3(Y)E		

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RID CLASS No:	3	RID PACK GROUP:	5(b)
UN No. SEA:	1133	IMDG CLASS:	3.2
IMDG PAGE No:	3174	IMDG PACK GR:	II
EMS:	3-05	MFAG:	330
UN No. AIR:	1133	ICAO CLASS:	3
AIR PACK GR:	II		

**15. REGULATORY INFORMATION****Labelling:**

Irritant



Highly Flammable

**Risk Phases:**

**R11** Highly flammable  
**R36** Irritating to eyes  
**R66** Repeated exposure may cause skin dryness or cracking  
**R67** Vapours may cause drowsiness and dizziness

**Safety Phases:**

**S2** Keep out of reach of children  
**S16** Keep away from sources of ignition – No Smoking  
**S25** Avoid contact with eyes  
**S26** In case of contact with eyes, rinse immediately and show this container or label  
**S37** Wear suitable gloves  
**S46** If swallowed, seek medical advice immediately and show this container or label  
**S51** Use only in well-ventilated areas  
**S3/9** Keep in a cool, well ventilated place  
**S56** Dispose of this material and its container to hazardous or special waste collection point  
**S64** If swallowed, rinse mouth with water (only if the person is conscious)

**UK Regulatory References;**

Petroleum (Consolidation) Act: as amended 1984 SI 1244. Highly Liquid Regulations 1972

**Environmental Listing:**

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980

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**EU Directives:**

System of specific information relating to Dangerous Preparations 2001/58/EEC. Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC

**Statutory Instruments:**

Chemicals (Hazard Information and Packaging) Regulations. Control of substances Hazardous to Health

**Approved Code of Practice:**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations

**Guidance Notes:**

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

**16. OTHER INFORMATION****Information Sources:**

Dangerous Properties of Industrial Materials Report, N. Sax et,al.

**Revision Date:** 19/04/20025

**REV. NO./REPL. SDS Generated:** 1

**SDS No:**

**Date:**

**Risk Phrases in Full:**

**R10** Flammable  
**R11** Highly Flammable  
**R22** Harmful if swallowed  
**R23/24/25** Toxic by inhalation, in contact with skin and if swallowed  
**R36** Irritating to eyes  
**R37/38** irritating to respiratory system and skin  
**R39/23/24/25B** Toxic danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed  
**R41** Risk of serious damage to eyes  
**R66** Repeated exposure may cause skin dryness or cracking  
**R67** Vapours may cause drowsiness and dizziness

**Disclaimer:**

All containers of HUMBROL products are labeled in accordance with the Chemical (Hazard Information and Packaging Regulations (CHIP)) to indicate any health and fire risks and the precautions to be taken. **BEFORE USING ANY PRODUCT READ THE LABEL NOTE PARTICULARLY ANY SPECIAL WARNINGS.**

HUMBROL products are supplied for use as specified, any changes in the usage of the products are the responsibility of the customer.

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