



BY APPOINTMENT
TO HER MAJESTY THE QUEEN
MANUFACTURERS OF LEATHER
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HEALTH AND SAFETY AND TECHNICAL INFORMATION

FLEXIBLE GLUE CB4 (J2013)

A Natural Adhesive of low odour, it has a wide application in the Bookbinding industry. Its lower solids and special chemical additive give a longer open time than our C1 Flex, but nevertheless, still retaining a good initial tack. It can be applied by brush for spine work or by machine (i.e. Balema, Swift or Nubal) for hand assembled case-making, and is eminently suitable for conservation work.

This adhesive has additives to reduce cracking and to give very good non-warp characteristics.

DIRECTIONS FOR USE

Packed in 2.5kg polythene lined blocks, this adhesive should be turned out of the polythene and cut into 1-2 kilo slabs, before being placed in the adhesive trough.

The adhesive should be heated to a temperature of 50-60°C (120 -140°F) when it will liquefy and be ready for use. In no circumstances must the heat of the adhesive exceed 60°C otherwise one risks the adhesive becoming degraded.

The adhesive may require dilution dependent on the work in hand, or to replace loss of water by evaporation. Small quantities of warm water may be added.

In common with all natural adhesives, it is recommended to clean the adhesive troughs regularly to maintain the good quality and preserve the odour and colour of the adhesive.

NB. Increasing the operating temperature to 60°C and/or the addition of warm water can lengthen open time of this adhesive.

The adhesive is completely non-foaming and entirely innocuous.

TECHNICAL INFORMATION SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCT: J2013

2. APPLICATIONS

Manufacture of fancy boxes and laminated boards in the packaging industry by hand & automatic equipment. Specially developed for use with extremely difficult papers.

3. MACHINES

Emmici, Stokes & Smith, Perondi, Swift, Balema, Pot Devin.

4. PROPERTIES

- ◆ Very clean running. Minimum down time.
- ◆ Caters for a wide range of materials including varnished, laminated & pp coated papers.
- ◆ Non-warp ingredients produce excellent layflat properties.
- ◆ **Excellent initial tack & very long open-time.**
- ◆ Exceptional quality control produces unrivalled consistency.

5. TECHNICAL DATA

Solids Content	67 - 72%	Refractometer %	Brix 28-62
Viscosity	2500 - 3500mPas.	Brookfield RVF,	Brix 58-90 20RPM, 50°C.

6. USER INFORMATION

Emmici

- ◆ Solids – 59 to 60% (refractometer)
- ◆ Wiskomatic – 200 to 225
- ◆ Temperature – 50 to 53°C

Stokes & Smith

- ◆ Solids – 59 to 60% (refractometer)
- ◆ Temperature – 50 to 53°C

Swift

Board:

- ◆ Solids – 68 to 72% (refractometer)
- ◆ Temperature – 50 to 53°C

Paper:

- ◆ Solids – 58 to 62% (refractometer)
- ◆ Temperature – 50 to 53°C

7. GENERAL

High solids glues of this type contain the minimum amount of water. Therefore, water lost through evaporation should be replaced on a regular basis. A refractometer can be purchased to help operators maintain a consistent dilution level.

SAFETY DATA SHEET

J2013

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

PRODUCT NAME J2013

PRODUCT NO. J2013

2 HAZARDS IDENTIFICATION

CLASSIFICATION (EC 1272/2008)

Physical Not classified.

Health Not classified.

Environmental Not classified.

3 COMPOSITION/INFORMATION ON INGREDIENTS

2-PHENYLPHENOL (ISO) <1%

CAS-No.: 90-43-7 EC No.: 201-993-5

CLASSIFICATION (67/548)

Xi;R36/37/38

N;R50

CLASSIFICATION (EC 1272/2008)

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

STOT Single 3 - H335

Aquatic Acute 1 - H400

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

COMPOSITION COMMENTS

Water-based adhesive containing technical gelatine

4 FIRST-AID MEASURES

INHALATION

General first aid, rest, warmth and fresh air.

INGESTION

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

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UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

PROTECTIVE MEASURES IN FIRE

Use protective equipment appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Contain spillages with sand, earth or any suitable adsorbent material.

SPILL CLEAN UP METHODS

Non-hazardous substance. This product will form a gel when cool (>35°C).
Allow small spillages to cool. Peel up gel and dispose of as per section 13
Contain larger spills with an inert barrier such as sand or sawdust. Peel up gel and dispose of as per section 13

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

USAGE DESCRIPTION

Products of this type should be used at temperatures between 45 - 60°C (See Technical Data Sheet for specific information). Take care to avoid burns from hot adhesive

STORAGE PRECAUTIONS

Protect from freezing and direct sunlight. Store in closed original container at temperatures between 5°C and 25°C. Store in closed original container in a dry place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Use barrier creams to prevent skin contact.

HYGIENE MEASURES

Use appropriate skin cream to prevent drying of skin. Wash hands after handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Jelly-like

COLOUR Amber

ODOUR Slight odour

SOLUBILITY Soluble in water.

BOILING POINT (°C) TREAT AS WATER (100°C) RELATIVE DENSITY 1.08

pH-VALUE, CONC. SOLUTION 5 - 7

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid frost.

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO₂) are formed.

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

No specific health warnings noted.

INGESTION

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

SKIN CONTACT

Prolonged contact may cause redness and irritation.

EYE CONTACT

May cause temporary eye irritation.

HEALTH WARNINGS

No specific health warnings noted.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains a substance which is harmful to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

GENERAL The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health. 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. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION DATE 09/12/2011

REV. NO./REPL. SDS GENERATED 5

DATE 1st November 2003

SIGNATURE PHILLIP LEE

RISK PHRASES IN FULL

R36/37/38 Irritating to eyes, respiratory system and skin.

R50 Very toxic to aquatic organisms.

HAZARD STATEMENTS IN FULL

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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