



SAFETY DATA SHEET

FLEXIBLE COLLODION

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

PRODUCT NAME: FLEXIBLE COLLODION

PART No.: RM107

SUPPLIER: J M Loveridge plc
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2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
DIETHYL ETHER 60-29-7	200-467-2	Xn ,Fx R-12, 19, 22, 66, 67	60-61 %
ETHANOL 64-17-5	200-578-6	F R-11	10-30 %
METHANOL 67-56-1	200-659-6	T ,F R-11, 23/24/25, 39/23/24/25	1-5 %
NITROCELLULOSE		F R-11	12-12.5 %

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

3. HAZARDS IDENTIFICATION

Extremely flammable. Harmful if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

INHALATION: Move affected person from exposure. If recovery not rapid or complete seek medical attention. If breathing stops, provide artificial respiration. Keep affected person warm and at rest.

INGESTION:	DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.
SKIN:	Remove contaminated clothing. Wash affected area with plenty of soap and water. If symptoms occur or persist, obtain medical attention. Launder clothing before re-use.
EYES:	Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Water spray, fog or mist, carbon dioxide (CO ₂), alcohol resistant foam, dry chemicals, sand, dolomite etc.
SPECIAL FIRE FIGHTING PROCEDURES:	Take measures to retain water used for extinguishing. Do not release contaminated water into drains, soil and surface water. Dispose of contaminated water and soil according to local regulations.
UNUSUAL FIRE & EXPLOSION HAZARDS:	May explode in a fire. Forms explosive mixtures with air. Vapour may travel considerable distance to source of ignition and flash back.
HAZARDOUS COMBUSTION PRODUCTS:	Burning may release oxides of carbon and other hazardous gases or vapours.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION IN SPILL:	Wear appropriate protective clothing. Eliminate all sources of ignition. Avoid direct contact with skin, eyes and clothing. Do not breathe vapour or fumes.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements. Absorb small quantities with paper towels or other inert material and allow to evaporate in safe place (fume hood/cupboard). Ventilate well, if using engineering controls, ensure extraction equipment is to explosion/flameproof standard. Do not allow material to enter confined spaces such as sewers because of explosion risk.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Avoid vapour inhalation, skin and eye contact. Avoid vapour formation and ignition sources. Earth container and transfer equipment to eliminate accumulation of static charge.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container. Store away from sources of heat or ignition.
STORAGE CRITERIA:	Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
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DIETHYL ETHER	60-29-7	OES	100 ppm	200 ppm
ETHANOL	64-17-5	OES	1000 ppm	No std.
METHANOL	67-56-1	OES	200 ppm(Sk)	250 ppm(Sk)

VENTILATION:	Work in a fume cupboard or use local exhaust ventilation. Respiratory protection required in insufficiently ventilated working areas.
RESPIRATORS:	For short periods of work, a suitable RPE fitted with a combination charcoal or organic vapour cartridge is recommended.
PROTECTIVE GLOVES:	Use impervious gloves made of butyl rubber or PVC.
EYE PROTECTION:	Approved chemical safety goggles or face protection.
OTHER PROTECTION:	Wear personal protective equipment appropriate to the quantity of material handled. Engineering controls should be to explosion/flameproof standard.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - use appropriate barrier cream to prevent defatting and cracking of skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, viscid, colourless to slightly brown liquid		
ODOUR/TASTE:	Characteristic ether odour.		
FLASH POINT (°C):	- 10 °C	Method:	

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions of use. However, liable to form explosive peroxides on exposure to light and air.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition. Avoid accumulation of static electricity.
MATERIALS TO AVOID:	Oxidising agents.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition or burning may release oxides of carbon and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Toxicological data	LD50. Oral. Rat. 1215 mg/kg - (diethylether)
TOXICOLOGICAL INFORMATION:	If inhaled, vapour passes rapidly into bloodstream and is carried into the brain producing symptoms similar to those of alcoholic intoxication.
HEALTH HAZARDS, GENERAL:	Vapour will irritate the membranes of nose, throat, lungs and eyes.
INHALATION:	Anaesthetic in high concentrations.
SKIN:	Prolonged or repeated contact leads to drying of skin.
EYES:	May cause severe irritation to eyes.
HEALTH WARNINGS:	Narcotic effect.
TARGET ORGANS:	Central nervous system.
MEDICAL SYMPTOMS:	Inflammation of nasal mucous membrane, upper respiratory tract irritation. Nausea, vomiting. Central nervous system depression.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No specific data or information available regarding environmental impact. Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.

WASTE CLASS: WASTE CODE:0705** HAZARDOUS PROPERTY: H3-A

14. TRANSPORT INFORMATION

ADR CLASS No.: 3

ADR CLASS: Class 3: Flammable liquids.

ADR PACK GR. I

HAZARD No. (ADR): 33 Highly flammable liquid (flash-point below 23°C).

ADR LABEL No.: 3

HAZCHEM CODE: 2YE

PROPER SHIPPING NAME I: NITROCELLULOSE SOLUTION, FLAMMABLE

ROAD TRANSPORT NOTES: Flash point: - 10°C (cc)

UN No. SEA: UN 2059

IMDG CLASS: 3

IMDG PAGE No.: 3138-2

IMDG PACK GR.: I

UN No., AIR: UN-ID 2059

ICAO CLASS: 3

AIR PACK GR.: I

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



RISK PHRASES:	R-12 Extremely flammable. R-22 Harmful if swallowed. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness.
SAFETY PHRASES:	S-16 Keep away from sources of ignition - No Smoking. S-29 Do not empty into drains. S-37 Wear suitable gloves. S-46 If swallowed, seek medical advice immediately and show this container or label.
UK REGULATORY REFERENCES:	Chemicals (Hazard Information & Packaging) Regulations 1993. Classification, Packaging and Labelling Regulations 1984.

16. OTHER INFORMATION

INFORMATION SOURCES:	This product has been classified in accordance with CHIP3 regulations.
REVISION COMMENTS:	Edition 02.01; Revised item: Sec. 2 - percentage composition of diethyl ether and nitrocellulose Sec. 3 & 15 - reclassification as Extremely flammable ADR update
ISSUED BY:	MK
SDS No.:	199
DATE:	17/01/03
R-PHRASES (Full Text):	R-12 Extremely flammable. R-19 May form explosive peroxides. R-22 Harmful if swallowed. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness. R-11 Highly flammable. R-23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R-39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
DISCLAIMER:	The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.