



SAFETY DATA SHEET

FORMAL SALINE

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

PRODUCT NAME: FORMAL SALINE

PART No.: M066

SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
METHANOL			0-0.7
67-56-1	200-659-6	T ,F R-11, 23/24/25, 39/23/24/25	
FORMALDEHYDE			5-10 %
50-00-0	200-001-8	T R-23/24/25, 34, 40, 43 Carc3	

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

COMPOSITION COMMENTS: Preparation containing 6% of formaldehyde solution (@ 35% (w/w) and methanol @ 10% (w/w)).

3. HAZARDS IDENTIFICATION:

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Carcinogen Category 3.

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 irritation persists, seek medical attention. Launder clothing before re-use.
EYES:	Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Use extinguishing media suitable against surrounding fire or the cause of fire.
SPECIAL FIRE FIGHTING PROCEDURES:	Use gentle application of water spray to keep exposed containers cool or to dissipate vapour. 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.
HAZARDOUS COMBUSTION PRODUCTS:	Thermal decomposition may release noxious, corrosive or toxic vapours.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Avoid direct contact with skin, eyes and clothing. Do not breathe vapour or fumes. Ventilate area to dispel residual 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.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Ensure good ventilation and local exhaust extraction in work place.
STORAGE PRECAUTIONS:	Flammable/combustible - Keep away from oxidizers, heat and flames. Store at moderate temperatures in dry, well ventilated area. Keep containers tightly closed. Isolate from other materials.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
FORMALDEHYDE	50-00-0	MEL	2 ppm	2 ppm
METHANOL	67-56-1	OES	200 ppm(Sk)	250 ppm(Sk)

VENTILATION:	Use engineering controls to reduce vapour/dust emissions below MEL! Work in a fume cupboard or use local exhaust ventilation.
RESPIRATORS:	Respiratory protection required in insufficiently ventilated working areas. For short periods of work, a suitable RPE fitted with a combination charcoal or organic vapour cartridge is recommended.

PROTECTIVE GLOVES:	Use chemically resistant impervious gloves.
EYE PROTECTION:	Wear splash-proof eye goggles to prevent any possibility of eye contact.
OTHER PROTECTION:	Avoid prolonged contact with skin. Wear protective clothing and closed footwear.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Clear colourless liquid.
ODOUR/TASTE:	Characteristic irritating formaldehyde odour.
SOLUBILITY DESCRIPTION:	Miscible with water in all proportions.
ODOUR THRESHOLD, LOWER:	0.80 ppm
ODOUR THRESHOLD, UPPER:	ppm

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition.
MATERIALS TO AVOID:	Oxidising agents.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition may release noxious, toxic or corrosive gases or vapours.

11. TOXICOLOGICAL INFORMATION:

Toxicological data	LC50. Inhalation. Rat. 0.9 mg/kg (formaldehyde vapour) LD50. Oral. Rat. 800 mg/kg (as 100% formaldehyde)
TOXICOLOGICAL INFORMATION:	Harmful by inhalation and ingestion.
INHALATION:	Irritating to the respiratory system. Irritating to mucous membranes.
INGESTION:	May cause severe systemic effects.
SKIN:	Repeated or prolonged contact may cause skin irritation and sensitisation. Repeated exposure can cause hardening and cracking of skin.
EYES:	May cause severe irritation to eyes.
HEALTH WARNINGS:	Formaldehyde is suspected/known carcinogen to humans and also recognised allergen.
MEDICAL SYMPTOMS:	Extreme irritation of eyes and mucous membranes, including burning and tearing. General respiratory distress, unproductive cough. Severe skin irritation. Nausea, vomiting.

12. ECOLOGICAL INFORMATION:

MOBILITY:	Soluble in water.
BIO ACCUMULATION:	Low bioaccumulation potential. (for formaldehyde - Log Pow = 0)
DEGRADABILITY:	Biodegradable in soil.

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: H6

14. TRANSPORT INFORMATION:

GENERAL:	Not classified as hazardous for transport.
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15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:

RISK PHRASES:	R-20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R-36/37/38 Irritating to eyes, respiratory system and skin. R-40 Limited evidence of a carcinogenic effect. R-43 May cause sensitisation by skin contact.
SAFETY PHRASES:	S-24/25 Avoid contact with skin and eyes. S-36/37 Wear suitable protective clothing and gloves. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
UK REGULATORY REFERENCES:	Classification, Packaging and Labelling Regulations 1984. Chemicals (Hazard Information & Packaging) Regulations 1993.

16. OTHER INFORMATION:

INFORMATION SOURCES:	This product has been classified in accordance with CHIP3 regulations.
REVISION COMMENTS:	Edition 01; Revised item(s):
ISSUED BY:	MK
SDS No.:	M061

DATE: 12/07/02

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.

R-PHRASES (Full Text): 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. R-34 Causes burns. R-40 Limited evidence of a carcinogenic effect. R-43 May cause sensitisation by skin contact.