



SAFETY DATA SHEET

RESORCINOL

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

PRODUCT NAME: RESORCINOL
CHEMICAL NAME 2: 3-HYDROXYPHENOL
PART No.: RM225
SYNONYMS, TRADE NAMES: 1,3-benzenediol, m-dihydroxybenzene
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

EU INDEX No.: 604-010-00-1
EEC (EINECS) No. 203-585-2
CAS No.: 108-46-3

3. HAZARDS IDENTIFICATION:

Harmful if swallowed. Irritating to eyes and skin. Very toxic to aquatic organisms.

4. FIRST AID MEASURES:

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

INHALATION: Move affected person to fresh air. If recovery not rapid, 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: 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, foam or dry chemical.
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:	Finely divided material can cause dust explosion.
HAZARDOUS COMBUSTION PRODUCTS:	Burning will produce oxides of carbon.
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. Wear appropriate protective clothing. Avoid breathing dust.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent material from entering drains or water courses. Advise the Environment Agency or relevant local authority if contamination of soil or water systems occurs.
SPILL CLEANUP METHODS:	Cover spillage with damp inert material, take-up or collect and place into a suitable closable labelled container for 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. Avoid creating or raising dust. Avoid breathing dust. Ensure good ventilation and local exhaust extraction in work place. Avoid vapour inhalation, skin and eye contact.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container. Flammable/combustible - Keep away from oxidising agents, heat and flames.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
RESORCINOL	108-46-3	OES	10 ppm	20 ppm

INGREDIENT COMMENTS:	Refer to the current edition of HSE Guidance Note EH 40/200* for occupational exposure limits;
VENTILATION:	If unable to control dust emissions below recommended limits, an approved respiratory protection must be used at all times at least to (EN 149) FFP 2S level of protection.
PROTECTIVE GLOVES:	Use impervious gloves.
EYE PROTECTION:	Wear approved safety goggles.
OTHER PROTECTION:	Wear personal protective equipment appropriate to the quantity of material handled.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin.

Regularly vacuum dust to minimise the potential of air-borne exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Colourless to pink crystals or powder.	
PHYSICAL DATA COMMENTS:	Combustible substance. Fine dust may create explosive mixture with air.	
MELT/FREEZ. POINT (°C, interval):	~ 110°C	
DENSITY/SPECIFIC GRAVITY (g/ml):	~ 1.28	Temperature (°C):
VAPOUR DENSITY (air=1):	3.79	
SOLUBILITY DESCRIPTION:	Soluble in water.	
SOLUBILITY VALUE (g/100g H₂O 20°C):	111	
FLASH POINT (°C):	171	Method:
AUTO IGNITION TEMP. (°C):	342	
FLAMMABILITY LIMIT - LOWER (%):	1.4	

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	Avoid excessive dust build up in air. Avoid sources of ignition.
MATERIALS TO AVOID:	Alkalis, bases and oxidising agents. Camphor, acetanilide, ferric salts. conc. nitric acid.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition or burning may release oxides of carbon and formic acid.

11. TOXICOLOGICAL INFORMATION:

	Acute toxicity. LD50. Oral. Rat. 301 mg/kg
HEALTH HAZARDS, GENERAL:	Dust will severely irritate membranes of nose, throat, lungs and eyes. Harmful in contact with skin and if swallowed.
INHALATION:	Extremely irritating to mucous membranes and respiratory system.
INGESTION:	May cause nausea, vomiting, abdominal pain, drowsiness. Severe intoxication causes mental confusion with excitable behaviour, convulsions and unconsciousness.
SKIN:	Resorcinol solutions in organic solvents are readily absorbed through skin causing symptoms similar to ingestion. Severe skin irritant.
EYES:	May cause irritation, redness, repeated or prolonged exposure may cause corneal ulceration.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION: Very toxic to aquatic organisms.
MOBILITY: Soluble in water. Predicted to have high mobility 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: H5, H14

14. TRANSPORT INFORMATION:

UN No. ROAD: 2876
ADR CLASS No.: 6.1
ADR CLASS: Division 6.1: Toxic substances.
ADR ITEM No.: 14°(c)
HAZARD No. (ADR): 60 Toxic or slightly toxic substance.
ADR MARGINAL: 2601
HAZCHEM CODE: 2X
PROPER SHIPPING NAME I: RESORCINOL
UN No. SEA: UN 2876
IMDG CLASS: 6.1
IMDG PAGE No.: 6248
IMDG PACK GR.: III
UN No., AIR: UN-ID 2876
ICAO CLASS: 6.1
AIR PACK GR.: III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES: R-22 Harmful if swallowed.
R-36/38 Irritating to eyes and skin.
R-50 Very toxic to aquatic organisms.

SAFETY PHRASES: S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

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.: 401

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.