



# SAFETY DATA SHEET

## BENZOIC ACID

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

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**PRODUCT NAME:** BENZOIC ACID  
**PART No.:** RM034  
**SUPPLIER:** J M Loveridge plc  
Southbrook Road, Southampton  
Hampshire  
SO15 1BH  
Tel: 023 8022 2008  
Fax: 023 8022 2117

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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**EU INDEX No.:** - - -  
**EEC (EINECS) No.** 200-618-2  
**CAS No.:** 65-85-0

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### 3. HAZARDS IDENTIFICATION

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Harmful if swallowed. Irritating to eyes.

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### 4. FIRST AID MEASURES

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**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.

**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.

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### 5. FIRE FIGHTING MEASURES

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<b>EXTINGUISHING MEDIA:</b>	Water spray, fog or mist, carbon dioxide (CO <sub>2</sub> ), alcohol resistant foam, dry chemicals, sand, dolomite etc.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	Finely divided material can cause dust explosion.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Burning may release oxides of carbon and other hazardous gases or vapours.
<b>PROTECTIVE MEASURES IN FIRE:</b>	Fire fighters should wear self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>PERSONAL PRECAUTION IN SPILL:</b>	Avoid direct contact with skin, eyes and clothing.
<b>PRECAUTIONS TO PROTECT ENVIRONMENT:</b>	Prevent contamination of soil, drains and surface water.
<b>SPILL CLEANUP METHODS:</b>	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.

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## 7. HANDLING AND STORAGE

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<b>USAGE PRECAUTIONS:</b>	<b>HANDLING</b> - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Avoid creating or raising dust. Avoid contact with skin or eyes.
<b>STORAGE PRECAUTIONS:</b>	Store in a cool, dry, well ventilated place, in securely closed original container. Dust formation is potentially explosive. Store away from sources of heat or ignition.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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<b>INGREDIENT COMMENTS:</b>	No specific OES assigned, however for dusts of any kind, ensure LTEL (8-hour TWA ref. period) level does not exceed 10 mg.m <sup>3</sup> for total inhalable dust or 4 mg.m <sup>3</sup> for respirable dust (or) as recommended in current edition of EH40.
<b>VENTILATION:</b>	Provide adequate general and local exhaust ventilation.
<b>RESPIRATORS:</b>	If unable to control dust emissions below OES limits, an approved dust protection to P2 level of protection is recommended.
<b>PROTECTIVE GLOVES:</b>	Use protective gloves.
<b>EYE PROTECTION:</b>	Use eye protection.
<b>OTHER PROTECTION:</b>	Wear personal protective equipment appropriate to the quantity of material handled.
<b>HYGIENIC WORK PRACTICES:</b>	<b>SKIN PROTECTION</b> - apply barrier cream to hands and exposed skin. Regularly vacuum dust to minimise the potential of air-borne exposure.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE:</b>	Colourless feathery plates or white powder.
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<b>BOILING POINT (°C, interval):</b>	249°C	<b>Pressure:</b>
<b>MELT/FREEZ. POINT (°C, interval):</b>	mp. 122° C	
<b>SOLUBILITY DESCRIPTION:</b>	Slightly soluble in water. Soluble in: Ethanol.	
<b>FLAMMABILITY LIMIT - LOWER (%):</b>	0.95	
<b>FLAMMABILITY LIMIT - UPPER (%):</b>	8.2	

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## 10. STABILITY AND REACTIVITY

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<b>STABILITY:</b>	Stable under normal conditions of use.
<b>CONDITIONS TO AVOID:</b>	Avoid dust formation. Risk of dust ignition in air.
<b>MATERIALS TO AVOID:</b>	Oxidising agents. Strong bases. Strong reducing agents.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Thermal decomposition or burning may release oxides of carbon and other hazardous gases or vapours.

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## 11. TOXICOLOGICAL INFORMATION

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	Acute toxicity. LD50. Oral. Rat. 2000 mg/kg
<b>TOXIC CONC. - LC 50:</b>	12.2 mg/l/4h (inh-rat)
<b>HEALTH HAZARDS, GENERAL:</b>	May cause irritation to eyes, skin, and mucous membranes.
<b>INHALATION:</b>	May cause irritation to the respiratory system.
<b>EYES:</b>	Irritating to eyes.

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## 12. ECOLOGICAL INFORMATION

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<b>LC 50, 96 HRS, FISH mg/l:</b>	>100
<b>EC 50, 48 HRS, DAPHNIA, mg/l:</b>	>100
<b>IC 50, 72 HRS, ALGAE, mg/l:</b>	10 - 100
<b>ECOLOGICAL INFORMATION:</b>	No specific data or information available regarding environmental impact.
<b>BIO ACCUMULATION:</b>	Many species readily absorb benzoic acid and quickly metabolise it to hippuric acid which is excreted in urine. No bioaccumulation indicated.
<b>DEGRADABILITY:</b>	Potentially biodegradable.

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## 13. DISPOSAL CONSIDERATIONS

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**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

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## 14. TRANSPORT INFORMATION

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**GENERAL:** Not classified as hazardous for transport.

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## 15. REGULATORY INFORMATION

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### LABEL FOR SUPPLY:



**RISK PHRASES:** R-22 Harmful if swallowed.  
R-36 Irritating to eyes.

**SAFETY PHRASES:** S-2 Keep out of the reach of children.  
S-22 Do not breathe dust.  
S-24/25 Avoid contact with skin and eyes.  
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.

**COMMENTS:** Although this material does not require classification according to ASL, other literature evidence would suggest that classification for supply is advisable.  
The product has been classified in accordance with suppliers information and toxicological data - for details see sect.11.

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## 16. OTHER INFORMATION

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**INFORMATION SOURCES:** This product has been classified in accordance with CHIP3 regulations.(CHIP 2002)

**REVISION COMMENTS:** Edition 02; Revised item(s): Sect. 12, provision of additional data

**ISSUED BY:** MK

**SDS No.:** 051

**DATE:** 19/12/03

**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.

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