



# SAFETY DATA SHEET

## SALICYLIC ACID

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

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**PRODUCT NAME:** SALICYLIC ACID  
**CHEMICAL NAME 2:** 2-Hydroxybenzoic acid  
**PART No.:** RM231, RM232  
**SYNONYMS, TRADE NAMES:** o-hydroxybenzoic acid  
**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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**CAS No.:** 69-72-7

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### 3. HAZARDS IDENTIFICATION:

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Harmful if swallowed. Irritating to eyes, respiratory system and skin.

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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>	Foam, dry chemical, 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 breathing dust. 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 contact with skin or eyes. Minimise creation of air-borne dust by application of good occupational hygiene principles, appropriate control measures and extraction techniques.
<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. All contact lenses concentrate irritant effect.
<b>OTHER PROTECTION:</b>	Wear personal protective equipment appropriate to the quantity of material handled.
<b>HYGIENIC WORK PRACTICES:</b>	<b>EYE CARE</b> - contact lenses pose special problem as soft lenses may absorb the acid and increase irritant effect. <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 or white acicular crystals or white crystalline powder.		
<b>MELT/FREEZ.POINT (°C, interval):</b>	mp. 161°C		
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	1.4	<b>Temperature (°C):</b>	25
<b>VAPOUR DENSITY (air=1):</b>	4.8		
<b>VAPOUR PRESSURE:</b>	114 Pa	<b>Temperature (°C):</b>	114°C
<b>VOLATILITY DESCRIPTION:</b>	Volatilises at: 50-60°C		
<b>SOLUBILITY DESCRIPTION:</b>	Slightly soluble in water. Soluble in: Ethanol.		
<b>SOLUBILITY VALUE (g/100g H<sub>2</sub>O 20°C):</b>	18g/l		
<b>FLASH POINT (°C):</b>	157	<b>Method:</b>	
<b>AUTO IGNITION TEMP. (°C):</b>	540		

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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 excessive heat.
<b>MATERIALS TO AVOID:</b>	Iron and iron salts, iodine, some lead salts. Reacts violently with strong bases and oxidising agents.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Thermal decomposition or burning may release oxides of carbon and other hazardous gases or vapours. - phenolic vapours.

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## 11. TOXICOLOGICAL INFORMATION:

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	LD50. Oral. Rat. 891 mg/kg
<b>TOXICOLOGICAL INFORMATION:</b>	Ingestion of large doses may cause central nervous system effects.
<b>HEALTH HAZARDS, GENERAL:</b>	Dust will severely irritate membranes of nose, throat, lungs and eyes.
<b>INHALATION:</b>	Irritating to the respiratory system.
<b>INGESTION:</b>	Ingestion will cause gastric irritation and vomiting. May cause severe systemic effects.
<b>SKIN:</b>	May be absorbed through skin.
<b>EYES:</b>	Dust may cause mechanical irritation to eyes.
<b>OTHER HEALTH EFFECTS:</b>	Evidence of mutagenic effects.
<b>MEDICAL CONSIDERATIONS:</b>	Some individuals may exhibit salicylate hypersensitivity, characterised by urticaria, rhinitis, angioedema, severe bronchospasms and dyspnoea.

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## 12. ECOLOGICAL INFORMATION:

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<b>ECOLOGICAL INFORMATION:</b>	No specific information available, but material is expected to have adverse effect on the environment.
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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-36/37/38 Irritating to eyes, respiratory system and skin.

**SAFETY PHRASES:** S-1/2 Keep locked up and out of the reach of children.  
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S-46 If swallowed seek medical advice immediately and show this container label.

**UK REGULATORY REFERENCES:** Classification, Packaging and Labelling Regulations 1984. Chemicals (Hazard Information & Packaging) Regulations 1993.

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### 16. OTHER INFORMATION:

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**INFORMATION SOURCES:** This product has been classified in accordance with CHIP3 regulations.

**REVISION COMMENTS:** Edition 01; Revised item(s):

**ISSUED BY:** MK

**SDS No.:** 223

**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.

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