



# SAFETY DATA SHEET

## NUX VOMICA POWDER

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

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**PRODUCT NAME:** NUX VOMICA POWDER  
**PART No.:** RM173  
**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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NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
STRYCHNINE 57-24-9	200-319-7	T+ ,N R-27/28, 50/53	1-5 %
BRUCINE 357-57-3	206-614-7	T+ R-26/28, 52/53	1-5 %

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

**COMPOSITION COMMENTS:** Powdered seeds of *Stychnos nux-vomica*.

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### 3. HAZARDS IDENTIFICATION:

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Toxic by inhalation, in contact with skin and if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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 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). Seek medical attention immediately! Show this sheet, packaging or label. DO NOT WAIT FOR SYMPTOMS TO APPEAR IF INGESTION IS SUSPECTED.

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<b>SKIN:</b>	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.
<b>EYES:</b>	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>	Use extinguishing media suitable against surrounding fire or the cause of fire.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	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.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Noxious or toxic vapours may be released in fire situation.
<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. Avoid breathing dust. Wear appropriate protective clothing.
<b>PRECAUTIONS TO PROTECT ENVIRONMENT:</b>	Prevent material from entering drains or water courses. Advise the Environment Agency or relevant local authority if contamination of soil or water systems occurs.
<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. 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. Keep away from food and drink.
<b>STORAGE CRITERIA:</b>	Toxic storage.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

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<b>INGREDIENT NAME:</b>	<b>CAS No.:</b>	<b>STD</b>	<b>LT EXP 8 Hrs</b>	<b>ST EXP 15 Min</b>
STRYCHNINE	57-24-9	OES	0.15 mg/m <sup>3</sup>	0.45 mg/m <sup>3</sup>

<b>INGREDIENT COMMENTS:</b>	Refer to the current edition of HSE Guidance Note EH 40/200* for occupational exposure limits; - exposure limits listed as strychnine.
<b>VENTILATION:</b>	Use engineering controls to maintain airborne concentrations below OES.
<b>RESPIRATORS:</b>	If unable to control emissions below OES, for short periods of work, an approved dust/vapour combination respirator to FFP3 level of protection is recommended. If dust concentration is expected to be high then airsuit should be worn.
<b>PROTECTIVE GLOVES:</b>	Use protective gloves.

<b>EYE PROTECTION:</b>	Wear approved safety goggles.
<b>OTHER PROTECTION:</b>	Wear personal protective equipment appropriate to the quantity of material handled. Wear disposable Tyvek-type overalls. Wear closed footwear.
<b>HYGIENIC WORK PRACTICES:</b>	<b>SKIN PROTECTION</b> - apply barrier cream to hands and exposed skin. Apply good personal hygiene principles, such as washing of hands, arms and face. Regularly vacuum dust to minimise the potential of air-borne exposure. Use vacuum cleaner fitted with suitable filter to prevent particles blowing back to the atmosphere - (class H type). Decontaminate personal protective equipment after use, otherwise dispose of as contaminated waste.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

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<b>APPEARANCE:</b>	Brown powder.
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## 10. STABILITY AND REACTIVITY:

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<b>STABILITY:</b>	Stable under normal conditions of use.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Thermal decomposition may release noxious, toxic or corrosive gases or vapours. - nitrogen oxides and hydrogen chloride fumes.

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## 11. TOXICOLOGICAL INFORMATION:

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<b>TOXICOLOGICAL INFORMATION:</b>	Toxic by inhalation and ingestion. Can be fatal by inhalation or ingestion.
<b>INHALATION:</b>	May cause nausea and vomiting, irritability, excitement, over-activity, feeling of suffocation, behavioral shift, twitching, convulsions. Respiratory and cardiac failure then follow.
<b>MEDICAL SYMPTOMS:</b>	Will cause toxic symptoms associated with strychnine poisoning. Signs of poisoning can be expected to occur within 15 - 30 minutes of ingestion. Symptoms may include tremours, slight twitching and stiffness of the face and legs. Convulsions and death can occur if not treated immediately.

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## 12. ECOLOGICAL INFORMATION:

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<b>ECOLOGICAL INFORMATION:</b>	Strychnine is very toxic to all mammals and birds and toxic to aquatic organisms at a few parts per million.
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## 13. DISPOSAL CONSIDERATIONS:

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<b>DISPOSAL METHODS:</b>	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.
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WASTE CLASS:

WASTE CODE: 0705\*\* HAZARDOUS PROPERTY: H6, H14

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**14. TRANSPORT INFORMATION:**

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**LABEL FOR CONVEYANCE:**

<b>UK ROAD PACK GR.:</b>	II
<b>ADR CLASS No.:</b>	6.1
<b>ADR CLASS:</b>	Division 6.1:Toxic substances.
<b>ADR ITEM No.:</b>	90°(b)
<b>HAZARD No. (ADR):</b>	66 Highly toxic substance.
<b>ADR MARGINAL:</b>	2601
<b>ADR LABEL No.:</b>	6.1
<b>HAZCHEM CODE:</b>	2X
<b>PROPER SHIPPING NAME I:</b>	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, NOS
<b>PROPER SHIPPING NAME II:</b>	Technical name - (contains strychnine, brucine and other alkaloids)
<b>UN No. SEA :</b>	UN 3172
<b>IMDG CLASS:</b>	6.1
<b>IMDG PAGE No.:</b>	6260
<b>IMDG PACK GR.:</b>	II
<b>MARINE POLLUTANT:</b>	Yes.
<b>UN No., AIR:</b>	UN-ID 3172
<b>ICAO CLASS:</b>	6.1
<b>AIR PACK GR.:</b>	II

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**15. REGULATORY INFORMATION:**

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**LABEL FOR SUPPLY:**

<b>RISK PHRASES:</b>	R-23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R-52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>SAFETY PHRASES:</b>	S-36/37 Wear suitable protective clothing and gloves. S-38 In case of insufficient ventilation, wear suitable respiratory equipment. S-27 Take off immediately all contaminated clothing. S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S-60 This material and its container must be disposed of as hazardous waste.
<b>UK REGULATORY REFERENCES:</b>	Chemicals (Hazard Information & Packaging) Regulations 1993. Classification, Packaging and Labelling Regulations 1984.

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## 16. OTHER INFORMATION:

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<b>INFORMATION SOURCES:</b>	This product has been classified in accordance with CHIP3 regulations.
<b>REVISION COMMENTS:</b>	Edition 01; Revised item(s):
<b>ISSUED BY:</b>	MK
<b>SDS No.:</b>	319
<b>DATE:</b>	12/07/02
<b>DISCLAIMER:</b>	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.
<b>R-PHRASES (Full Text):</b>	R-26/28 Very toxic by inhalation and if swallowed. R-52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-27/28 Very toxic in contact with skin and if swallowed. R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.