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## Part III LYSE (M-50LEO( I )、M-50LEO(II)、M-50LH、M-50LBA)

1 Identification of the substance / preparation and of the company	
<b>Information of the substance or preparation</b>	
<b>Trade name</b>	<b>M-50LEO( I ) LYSE 、 M-50LEO(II) LYSE 、 M-50LH LYSE 、 M-50LBA LYSE</b>
<b>Information about the manufacturer / supplier</b>	
<b>Manufacturer</b>	SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD Mindray Building, Keji 12th Road South, Hi-tech Industrial Park, Nanshan, Shenzhen, P.R. China, 508057 Tel:+86 755 26582888 / Fax:+86 755 26582680
<b>Enquiry point</b>	Research & Development Department, Tel:+86 755 26582888 / Fax:+86 755 26582680 Reagent Production, Tel.: +86 75586159296 / Fax:+86 755 86159297
<b>Distributor</b>	n.a.
<b>Enquiry point</b>	n.a.

2 Composition / information on ingredients	
<b>Synonyms</b>	Lyse to be used with Mindray hematology analyzer BC-5500 /BC-5200.
<b>M-50 LEO( I ) LYSE contains</b>	Surfactant <35g/L
<b>M-50 LEO( II ) LYSE contains</b>	Surfactant <40g/L
<b>M-50 LH LYSE contains</b>	Quaternary Ammonium Salts <50g/L Nonionic Surfactant <10g/L Ferrocyanide <0.5g/L Isopropanol 0.1-1.5ml/L Ethanol <1.5ml/L
<b>M-50 LBA LYSE contains</b>	Surfactant <50g/L
<b>Hazardous ingredients</b>	n.a.

3 Possible hazards	
<b>Ingestion</b>	Toxic, poisonous

4 First-aid measures	
<b>After skin contact</b>	Rinse contacted area with water. Remove any contaminated clothes.
<b>After eye contact</b>	Rinse immediately with plenty of water keeping eyelid open. Contact a physician immediately.

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<b>After ingestion</b>	Drink plenty of water, induce vomiting, and seek medical advice immediately.
<b>After inhalation</b>	Remove to fresh air.

<b>5 Fire-fighting measures</b>	
<b>Suitable extinguishing methods</b>	In accordance with those identified by the surroundings.
<b>Special exposure hazards</b>	Unknown
<b>Additional information</b>	Not inflammable

<b>6 Accidental release measures</b>	
<b>Personal precautions</b>	Wear gloves and laboratory coat. Do not get in eyes, on skin, on clothing.
<b>Environmental precautions</b>	keeping away from drains, surface- and ground-water and soil
<b>Methods for cleaning up</b>	Use of absorbent material (e.g. silica) which should be disposed of in a dustbin. Clean with plenty of water.

<b>7 Handling and storage</b>	
<b>Handling</b>	n.a.
<b>Storage</b>	Store at 2-30 °C, tightly closed in a dark and cool place.

<b>8 Exposure controls / personal protection</b>	
<b>Workplace-related threshold limits</b>	n.a.
<b>Personal protection</b>	
<b>Respiratory protection</b>	Not necessary
<b>Hand protection</b>	Standard laboratory latex or rubber gloves recommended.
<b>Eye protection</b>	Standard laboratory safety glasses recommended.

<b>9 Physico-chemical properties</b>		
<b>Form</b>	liquid	
<b>Colour</b>	<b>M-50LEO( I ) LYSE、 M-50LH LYSE</b>	Colourless
	<b>M-50LEO( II ) LYSE</b>	blue
	<b>M-50LBA LYSE</b>	pink
<b>Odour</b>	Odourless	
<b>pH value</b>	<b>M-50LEO( I ) LYSE</b>	3.55-4.55( 20 °C )
	<b>M-50LEO( II ) LYSE</b>	10.30-11.30( 20 °C )
	<b>M-50LH LYSE</b>	6.50-7.50( 20 °C )
	<b>M-50LBA LYSE</b>	5.50-6.50( 20 °C )

<b>Melting point</b>	n.a.
<b>Boiling point</b>	100°C
<b>Flash point</b>	n.a.
<b>Ignition temperature</b>	n.a.
<b>Explosion limits</b>	lower: n.a. upper: n.a.
<b>Density</b>	( 20 °C ) 1.03~1.25
<b>Solubility in water</b>	( 20 °C ) soluble
<b>Fat solubility</b>	n.a.

### 10 Stability and reactivity

<b>Conditions to avoid</b>	Frozen, High temperature (above 30°C), light
<b>Materials to avoid</b>	None identified
<b>Hazardous decomposition products</b>	Not determined

### 11 Toxicological information

<b>Acute toxicity</b>	No experimental data for these preparations available.
<b>Calculated from the concentration of the ingredient</b>	LD50 (oral, mouse)
<b>M-50LH Lyse</b>	3600mg/kg for Isopropanol
<b>Sub-acute to chronic toxicity</b>	No experimental data for these preparations available.
<b>Additional toxicological information</b>	
<b>Expected properties caused by components of the preparations</b>	
<b>After skin contact</b>	irritation
<b>After eye contact</b>	irritation
<b>After ingestion</b>	Wash mouth with plenty of water, seek medical attention
<b>General remarks</b>	More hazardous effects can not be excluded. Handle the product with care usual for chemicals.

### 12 Ecological information

<b>Information about elimination (persistence and degradability)</b>	No information available
<b>Behaviour in environmental compartments</b>	No information available
<b>Ecotoxicological</b>	No information available

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<b>effects:</b>	
<b>Further information relating to ecology</b>	n.a. Do not discard to inshore waters, sink or ground.

<b>13 Disposal considerations</b>	
<b>Product</b>	In the EU there are no uniform regulations regarding disposal of chemicals and chemical waste. Items which should be disposed of are generally treated as special waste. Its disposal is regulated by laws or ordinances in EU countries. Please contact the responsible office (authority or waste management company) to get detailed information on disposal.
<b>Packing</b>	Disposal according to the authorities' recommendation.

<b>14 Transport information</b>	
<b>Transport / further information</b>	This preparation does not represent a dangerous item with regard to any mode of transport.

<b>15 Regulations</b>	
<b>Labelling according to the EU Directives</b>	Preparation not classified.

<b>16 Other information</b>	
Date of last revision: 12-Jun-06 <span style="float: right;">Replaces edition of 10-Aug-04</span> Information of this Safety Data Sheet represents the today's state of our knowledge. The purpose is to characterise the product regarding safety precautions having to be kept. This document will not be a certification of features and will not be the basis of a legal contract.	

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