



# SAFETY DATA SHEET

Creation Date 04-Nov-2010

Revision Date 04-Nov-2010

Revision Number 1

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

**Product Name** 24 LEB BASE  
**Cat No.** CM1107  
**Synonyms** No information available.  
**Recommended Use** Laboratory chemicals

<b>Company</b>	Oxoid Ltd Wade Road Basingstoke, Hants, UK RG24 8PW Tel: +44 (0) 1256 841144 mbd-sds@thermofisher.com	<b>Entity / Business Name</b>	Oxoid Ltd. Wade Road Basingstoke, Hants, UK RG24 8PW Telephone: +44 (0) 1256 841144
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**Emergency Telephone Number** Carechem 24: +44 (0) 1865 407333

## 2. HAZARDS IDENTIFICATION

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

**Xi**



**R-phrases(s)**

R36/37/38 - Irritating to eyes, respiratory system and skin

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Haz/Non-haz**

Component	Weight %	EC-No.	DSD Classification - 67/548/EEC
Lithium chloride 7447-41-8	21.79	EEC No. 231-212-3	Xn;R22 Xi;R36/38
Sodium hydroxide 1310-73-2	0.59	EEC No. 215-185-5	C; R35

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16



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## 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention if irritation persists.
<b>Ingestion</b>	Do not induce vomiting. Get medical attention.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if symptoms occur..
<b>Notes to Physician</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

### Extinguishing media which must not be used for safety reasons

No information available.

### Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Flash Point**

Not applicable

**Method -**

No information available.

**Autoignition Temperature**

No information available.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Ensure adequate ventilation. Avoid contact with the skin and the eyes. Avoid dust formation.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so
<b>Methods for Containment and Clean Up</b>	Sweep up or vacuum up spillage and collect in suitable container for disposal.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Ensure adequate ventilation. Wear personal protective equipment.
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place
<b>Specific use(s)</b>	No information available.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure limits**

Component	European Union	The United Kingdom	Belgium	France	Spain	Germany
Sodium hydroxide		2 mg/m <sup>3</sup> STEL	2 mg/m <sup>3</sup> VLE	TWA / VME: 2 mg/m <sup>3</sup> (8 heures).	STEL / VLA-EC: 2 mg/m <sup>3</sup> (15 minutos).	2 mg/m <sup>3</sup> TWA (inhalable fraction)

Component	Italy	Portugal	The Netherlands	Finland	Austria
Sodium hydroxide		Ceiling: 2 mg/m <sup>3</sup>		STEL: 2 mg/m <sup>3</sup> 15 minuutteina Ceiling: 2 mg/m <sup>3</sup>	STEL: 4 mg/m <sup>3</sup> 15 Minuten TWA: 2 mg/m <sup>3</sup> 8 Stunden

Component	Switzerland	Poland	Norway	Ireland	Denmark	Australia
Sodium hydroxide	STEL: 2 mg/m <sup>3</sup> 15 Minuten MAK: 2 mg/m <sup>3</sup> 8 Stunden	NDSch: 1 mg/m <sup>3</sup> 15 minutach TWA: 0.5 mg/m <sup>3</sup> 8 godzinach	Ceiling: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup> 15 min	Ceiling: 2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup> TWA

**Occupational exposure controls****Engineering Measures**

Ensure adequate ventilation, especially in confined areas

**Personal Protective Equipment****Respiratory Protection**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

**Eye Protection**

Tightly fitting safety goggles

**Skin and body protection**

Wear appropriate protective gloves and clothing to prevent skin exposure

**Hand Protection**

Protective gloves

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

No information available.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical State**

Powder

**Appearance**

Light brown

**pH**

7.2 - 7.6@ 25°C

**Boiling Point/Range**

Not applicable

**Melting Point/Range**

No data available

**Flash Point**

Not applicable

**10. STABILITY AND REACTIVITY****Stability**

Stable under recommended storage conditions. Hygroscopic.

**Conditions to Avoid**

Keep away from direct sunlight.. Protect from moisture.

**Incompatible Materials**

Strong oxidizing agents



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**Hazardous Decomposition Products** None under normal use conditions

**Hazardous Polymerization** No information available

**Hazardous Reactions** None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Lithium chloride	526 mg/kg ( Rat )	>2000 mg/kg (Rat)	
Sodium hydroxide		1350 mg/kg ( Rabbit )	

### Chronic Toxicity

**Carcinogenicity** There are no known carcinogenic chemicals in this product

**Sensitization** No information available.

**Neurological Effects** No information available.

**Mutagenic Effects** No information available.

**Reproductive Effects** No information available.

**Developmental Effects** No information available.

**Target Organs** No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Lithium chloride		EC50: 158 mg/L/96h (rainbow trout)		
Sodium hydroxide		45.4 mg/L LC50 96 h		

**Persistence and Degradability** No information available

**Bioaccumulative Potential** No information available.

**Mobility** No information available.

Component	log Pow
Lithium chloride	-2.66



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## 13. DISPOSAL CONSIDERATIONS

**Waste from Residues / Unused Products** Dispose of as hazardous waste in compliance with local and national regulations

**Contaminated Packaging** Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

**IMDG/IMO** Not regulated

**ADR** Not regulated

**IATA** Not regulated

## 15. REGULATORY INFORMATION

The preparation is classified as dangerous in accordance with Directive 1999/45/EC

### Labelling

Xi



### R-phrases(s)

R36/37/38 - Irritating to eyes, respiratory system and skin

### S-phrases(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37 - Wear suitable gloves

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

### International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Lithium chloride	231-212-3	-		X	X	-	X	X	X	X	X
Sodium hydroxide	215-185-5	-		X	X	-	X	X	X	X	X

## 16. OTHER INFORMATION

### Full text of R-phrases referred to under sections 2 and 3

R22 - Harmful if swallowed

R35 - Causes severe burns

R36/37/38 - Irritating to eyes, respiratory system and skin



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## 16. OTHER INFORMATION

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Revision Summary	"***", and red text indicates revision
Restrictions on use	No information available.
Training advice	No information available.
Literary reference	No information available.

### Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**