

## **Material Safety Data Sheet**

eOx, Inc. Environmental Technologies

1	Product Name:	<b>EOXIDE LQ 75 -B</b> N-38957				
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	Product Code:					
	Registration number:					
	Purpose	Chemical intermediate				
	Manufacturer Identification	Manufactured by: eOx International bv 1e Lulofsdwarsstraat 117, 2521 AZ, The Hague, The Netherlands Tel: +31 703 807 376 Fax:+31 703 841 476 E-mail: info@eox-international.com				
2	Hazards Information / Risks	Contact with combustible material may cause fire. Irritating to eyes, respiratory syst				
_		and skin. May cause sensitization by inhalation and skin contact.				
3	Composition/Information on Elements					
	Hazardous components:	% Weight	CAS-nr	EC-nr	R-wording	Symbol
	Sodium hydrogensulphate	>10	7681-38-1		41	X
			231-665-7			
	Sodiumpersulphate	>10	7775-27-1	231892-1	8-22-36/37/38-42/43	O, XN
	Full text of each relevant R phrase can be found in heading 16					
4	First Aid Measures					
•	After Inhalation	<ul> <li>Respiratory problems: consult a doctor/medical service</li> </ul>				
	After Skin Contact					
		<ul> <li>Do not apply</li> </ul>	(chemical) neut	ralizing agents		
		<ul> <li>Take victim t</li> </ul>	o a doctor if irrit	ation persists		
	After Eye Contact	<ul> <li>Rinse immediately thoroughly and long (at least 15 min.) with plenty of water.</li> <li>Do not apply neutralizing agents</li> <li>Take victim to an ophthalmologist</li> </ul>				
	After Ingestion	Rinse mouth with water				
	<b>Emergency medical treatment</b>	<ul> <li>Immediately give lots of water to drink</li> </ul>				
		<ul> <li>Do not induce vomiting</li> </ul>				
		Consult a doctor/medical service if you feel unwell				
5	Fire Fighting Measures					
-	Suitable Extinguishing Media	<ul> <li>contact with combustible material may cause fire</li> </ul>				
		<ul> <li>For surrounding fires: all extinguishing media allowed</li> </ul>				
	Unsuitable extinguishing media	No data available				
	Special exposure hazards	On heating/burning: release of toxic and corrosive gases/vapors: sulphur oxide				
	Instructions	Cool tanks/drums with water spray/remove them into safety				
		Dilute toxic gases with water spray				
	_	Heat/fire exposure: compressed air/oxygen apparatus				
	Special protective equipment for fire	Heat/fire exc	osure: compres	sed air/oxvgen a	pparatus	

## IN ACCORDANCE WITH THE REACH-ENACTMENT (EG) nr. 1907/2006, art.31 appendix II.

: EOXIDE LQ 75

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6	Accidental Spill or Release Measures	
	Personal Precautions	→ See heading 8
	Environmental Precautions	<ul> <li>Contain released substance, Remove all combustible materials, pump into suitable containers</li> <li>Plug the leak, cut off the supply</li> </ul>
	Methods for cleaning up	<ul> <li>Take up liquid spill into absorbent material</li> <li>Scoop solid spill into closing containers</li> <li>Clean contaminated surfaces with an excess of water</li> <li>Wash clothing and equipment after handling</li> </ul>
7	Handling and storage	
	Technical measures	<ul> <li>Handle in accordance with good industrial hygiene and safety procedures</li> </ul>
	Handling	<ul> <li>Reduce/avoid exposure and/or contact</li> <li>Remove contaminated clothing immediately</li> <li>Clean contaminated clothing</li> </ul>
	Storage recommended	<ul> <li>Keep container tightly closed</li> <li>Meet the legal requirements</li> <li>Keep away from: heat sources, metals</li> </ul>
	Packaging materials recommended	polyethylene, polypropylene, PVC
	Packaging materials NOT recommended	Avoid metal
8	Exposure Controls / Personal Protection	
	Respiratory protection	<ul><li>Work under local exhaust/ventilation</li><li>High vapor concentration: gas mask with filter B</li></ul>
	Eye Protection	Chemical goggles or face shield with safety glasses
	Skin Protection	<ul> <li>Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn.</li> </ul>
	Industrial Hygiene	<ul> <li>Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing</li> </ul>
9	Physical/Chemical Properties	
	Physical State / Appearance	• Liquid
	Color	· Colorless
	Odor	Mild Characteristic
	Decomposition temperature	• not determined
	Specific Gravity / Density (20°)	not determined g/cm <sup>3</sup>
	Solubility in water	complete
10	Stability and Reactivity	not determined 20°C
10	Stability and Reactivity Stability and Reactivity	<ul> <li>Product is stable under normal temperature and pressures</li> </ul>
	Conditions to Avoid	Keep away from heat, metals
	Hazardous decomposition products	<ul> <li>On heating/burning release of toxic and corrosive gases/vapors: sulphur oxides</li> <li>React wiyh (some) metals</li> </ul>
11	Toxicological information  Acute Toxicity  Rat oral LD50 (mg/kg)  Rabbit dermal LD50 (mg/kg)  Rabbit dermal LD50	<ul> <li>2460 mg/kg</li> <li>193 mg/kg</li> <li>not determined</li> </ul>

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	_				
	Rat inhalation LC50 (mg/l/4h)	<ul> <li>not determined</li> </ul>			
	Chronic toxicity Ingestion	• not determined			
	Carcinogenicity	<ul><li>not listed</li></ul>	• not listed		
	Tetratogenicity	<ul><li>not listed</li></ul>			
	Acute effects				
	Inhalation exposure to high concentrations	Irritation of the respirato	ry tract		
	Inhalation	Irritation of the nasal mu	cous membranes		
	After Skin Contact on continuous	Tingling/irritation of the s	kin		
	exposure/contact				
	After eye contact	Irritation of the eye tissue			
		Inflammation/damage of	<u> </u>		
	Chronic effects		ty class (IARC, EC, TLV,MAK)		
		_ ,	Not listed in mutagenicity class (EC, MAK)		
	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Not classified as toxic to r	eproduction (EC)		
12	Ecological information				
	Water toxicity	Avoid release to the environment			
	48 H-CE50-Daphnia magna (mg/l)	190 mg/l			
	WGK class (Germany)	• 1			
	On ingredients	> See heading information on ingredients			
	LC50 72h Algue (mg/l)	<ul> <li>No data available</li> </ul>			
13	Disposal Considerations  Waste Information	Removing of residues	Demoval as waste asserting to local and national		
	waste information	<ul> <li>Removing of residues</li> </ul>	Removal as waste according to local and national prescriptions		
		<ul> <li>Polluted Packaging</li> </ul>	Removal as waste according to local and national		
		, Foliatea Fackaging	prescriptions		
	Provisions relating to waste	<ul> <li>Waste material code (75)</li> </ul>	/442/EEC, Council Decision 2001/118/EC, O.J. L47 OF		
	Trovisions relating to waste		16/25/2001): 06 03 14 (solid salts and solutions other than those mentioned in 06 03		
		11 and 06 03 13)			
		LWCA (the Netherlands): KGA category 01			
		Hazardous waste (91/689/EEC)			
	Disposal methods	Immobilize the toxic or harmful components			
	·				
		remove to an authorized dump (Class I)			
		Treat using the best available techniques before discharge into drains or the aquatic			
		environment			
	Packaging / Container	<ul> <li>Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47</li> </ul>			
		of 16/2/2001): 15 01 10*	of 16/2/2001): 15 01 10* (packaging containing residues of or contaminated by		
		dangerous substances)	dangerous substances)		

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14	Transport information	not restricted for any mode of international transport		
	ADR			
	UN-number	n.a.		
	Proper shipping name			
	ADR Class / Packing group			
	IATA/ICAO			
	UN-number	n.a.		
	Proper shipping name			
	IATA Class / Packing group			
	IMDG			
	UN-number	n.a.		
		II.d.		
	Proper shipping name			
IMO Class / Packing group				
<b>15</b>	Regulatory Information			
	Labeling Marks According to EC-			
	Directives 67/548/EECs			
	Recognition Numbers and Hazard Symbols			
		Oxidizing		
	Content	)		
	R-Phrases	Contact with combustible material may cause fire		
	K-I III d3C3	22 Harmful if swallowed		
		36/37/38 Irritating to eyes, respiratory system and skin		
		• 42/43 May cause sensitization by inhalation and skin contact.		
	S-Phrases	• 02 Keep out of reach of children		
		26 In case of contact with eyes, rinse immediately with plenty of water and seek		
		medical advice		
		37/39 Wear suitable gloves and eye/face protection		
		46 If swallowed, seek medical advice immediately and show this container or label		
	The Netherlands	Waterbezwaarlijkheid 11		
	Germany	→ WGK 1		
16	Other Information	This safety data sheet has been drawn up in accordance with THE REACH-ENACTMENT (EG) nr. 1907/2006, art.31 appendix II.  This safety data sheet is exclusively made for industrial/professional use.		
		Full text of any R phrases referred to under heading 2:  8 Contact with combustible material may cause fire		
		> 22 Harmful if swallowed		
		<ul> <li>36/37/38 Irritating to eyes, respiratory system and skin</li> <li>42/43 May cause sensitization by inhalation and skin contact.</li> </ul>		
		R41 Risk of serious damage to eyes		
		Sources of key data used: The information contained herein is based on the present state of our knowledge.		
		The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in		
		terms of their safety requirements. The data does not signify any warranty with regard to the properties of the product. It is always the		
		duty of users to determine the applicability of such information and recommendations and the suitability of any products for their own particular purpose.		
	Extra Remarks			

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