



## Material Safety Data Sheet

### eOx, Inc. Environmental Technologies

<b>1</b>	<b>Product Name:</b>  <b>Product Code:</b> <b>Registration number:</b> <b>Purpose</b> <b>Manufacturer Identification</b>	<p style="text-align: center;"><b><u>EOXIDE LQ 75 -B</u></b></p> <p>N-40741          Chemical intermediate  <u>Manufactured by:</u>          eOx International bv          1e Lulofsdwarsstraat 117, 2521 AZ, The Hague, The Netherlands          Tel: +31 703 807 376 Fax :+31 703 841 476 E-mail: <a href="mailto:info@eox-international.com">info@eox-international.com</a></p>															
<b>2</b>	<b>Hazards Information / Risks</b>	<p>Contact with combustible material may cause fire. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">               OXYDIZING         </div> <div style="text-align: center;">               HARMFUL         </div> </div>															
<b>3</b>	<b>Composition/Information on Elements</b> <b>Hazardous components:</b> <div style="margin-left: 40px;"> <b>Sodium hydrogensulphate</b>   <b>Sodiumpersulphate</b> </div> <p style="font-size: small; margin-top: 10px;">Full text of each relevant R phrase can be found in heading 16</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">% Weight</th> <th style="width: 15%;">CAS-nr</th> <th style="width: 15%;">EC-nr</th> <th style="width: 15%;">R-wording</th> <th style="width: 15%;">Symbol</th> </tr> </thead> <tbody> <tr> <td>&gt;10</td> <td>7681-38-1 231-665-7</td> <td></td> <td>41</td> <td>X</td> </tr> <tr> <td>&gt;10</td> <td>7775-27-1</td> <td>231892-1</td> <td>8-22-36/37/38-42/43</td> <td>O, XN</td> </tr> </tbody> </table>	% Weight	CAS-nr	EC-nr	R-wording	Symbol	>10	7681-38-1 231-665-7		41	X	>10	7775-27-1	231892-1	8-22-36/37/38-42/43	O, XN
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<b>4</b>	<b>First Aid Measures</b>  <div style="margin-left: 40px;"> <b>After Inhalation</b>   <b>After Skin Contact</b>   <b>After Eye Contact</b>   <b>After Ingestion</b>  <b>Emergency medical treatment</b> </div>	<ul style="list-style-type: none"> <li>▶ Remove victim to fresh air.</li> <li>▶ Respiratory problems: consult a doctor/medical service</li> <li>▶ Rinse with water</li> <li>▶ Do not apply (chemical) neutralizing agents</li> <li>▶ Take victim to a doctor if irritation persists</li> <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> <li>▶ Rinse mouth with water</li> <li>▶ Immediately give lots of water to drink</li> <li>▶ Do not induce vomiting</li> <li>▶ Consult a doctor/medical service if you feel unwell</li> </ul>															
<b>5</b>	<b>Fire Fighting Measures</b>  <div style="margin-left: 40px;"> <b>Suitable Extinguishing Media</b>   <b>Unsuitable extinguishing media</b>  <b>Special exposure hazards</b>  <b>Instructions</b>   <b>Special protective equipment for fire fighters</b> </div>	<ul style="list-style-type: none"> <li>▶ contact with combustible material may cause fire</li> <li>▶ For surrounding fires: all extinguishing media allowed</li> <li>▶ No data available</li> <li>▶ On heating/burning: release of toxic and corrosive gases/vapors: sulphur oxide</li> <li>▶ Cool tanks/drums with water spray/remove them into safety</li> <li>▶ Dilute toxic gases with water spray</li> <li>▶ Heat/fire exposure: compressed air/oxygen apparatus</li> </ul>															

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



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	<b>Rat inhalation LC50 (mg/l/4h)</b>	› not determined
	<b>Chronic toxicity Ingestion</b>	› not determined
	<b>Carcinogenicity</b>	› not listed
	<b>Tetratogenicity</b>	› not listed
	<b>Acute effects</b>	
	<b>Inhalation exposure to high concentrations</b>	Irritation of the respiratory tract
	<b>Inhalation</b>	Irritation of the nasal mucous membranes
	<b>After Skin Contact on continuous exposure/contact</b>	Tingling/irritation of the skin
	<b>After eye contact</b>	Irritation of the eye tissue Inflammation/damage of the eye tissue
	<b>Chronic effects</b>	Not listed in carcinogenicity class (IARC, EC, TLV,MAK) Not listed in mutagenicity class (EC, MAK) Not classified as toxic to reproduction (EC)
<b>12</b>	<b>Ecological information</b>	
	<b>Water toxicity</b>	› Avoid release to the environment
	<b>48 H-CE50-Daphnia magna (mg/l)</b>	› 190 mg/l
	<b>WGK class (Germany)</b>	› 1
	<b>On ingredients</b>	› See heading information on ingredients
	<b>LC50 72h Algae (mg/l)</b>	› No data available
<b>13</b>	<b>Disposal Considerations</b>	
	<b>Waste Information</b>	› Removing of residues Removal as waste according to local and national prescriptions › Polluted Packaging Removal as waste according to local and national prescriptions
	<b>Provisions relating to waste</b>	› Waste material code (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 OF 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)
	<b>Disposal methods</b>	› Immobilize the toxic or harmful components › Precipitate/make insoluble › remove to an authorized dump (Class I) › Treat using the best available techniques before discharge into drains or the aquatic environment
	<b>Packaging / Container</b>	› Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10* (packaging containing residues of or contaminated by dangerous substances)

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<p><b>14</b> <b>Transport information</b></p> <p>ADR UN-number Proper shipping name ADR Class / Packing group IATA/ICAO UN-number Proper shipping name IATA Class / Packing group IMDG UN-number Proper shipping name IMO Class / Packing group</p>	<p>not restricted for any mode of international transport</p> <p>n.a.</p> <p>n.a.</p> <p>n.a.</p>
<p><b>15</b> <b>Regulatory Information</b></p> <p>Labeling Marks According to EC-Directives 67/548/EECs Recognition Numbers and Hazard Symbols</p> <p>Content R-Phrases S-Phrases</p>	<p> Oxidizing  Harmful</p> <p>› --</p> <p>› <b>8</b> Contact with combustible material may cause fire</p> <p>› <b>22</b> Harmful if swallowed</p> <p>› <b>36/37/38</b> Irritating to eyes, respiratory system and skin</p> <p>› <b>42/43</b> May cause sensitization by inhalation and skin contact.</p> <p>› <b>02</b> Keep out of reach of children</p> <p>› <b>26</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice</p> <p>› <b>37/39</b> Wear suitable gloves and eye/face protection</p> <p>› <b>46</b> If swallowed, seek medical advice immediately and show this container or label</p>
<p><b>The Netherlands</b></p> <p><b>Germany</b></p>	<p>› Waterbezwaarlijkheid 11</p> <p>› WGK 1</p>
<p><b>16</b> <b>Other Information</b></p> <p><b>Extra Remarks</b></p>	<p>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.</p> <p>Full text of any R phrases referred to under heading 3:</p> <p>› <b>8</b> Contact with combustible material may cause fire</p> <p>› <b>22</b> Harmful if swallowed</p> <p>› <b>36/37/38</b> Irritating to eyes, respiratory system and skin</p> <p>› <b>42/43</b> May cause sensitization by inhalation and skin contact.</p> <p><b>R41 Risk of serious damage to eyes</b></p> <p>Sources of key data used: The information contained herein is based on the present state of our knowledge.</p> <p>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.</p> <p>--</p>

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