

Material Safety Data Sheet

eOx, Inc. Environmental Technologies

1	Product Name:	FOVIDE	0.75.0004	DONICHIE	•	
1		EOXIDE LQ 75 COMPONENT -A				
	Product Code:					
	Purpose	Chemical Basic Component for CLO2 N-38957				
	Registration number					
	Manufacturer Identification	Manufactured by: eOx International b.v. 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	- Harmful effects on health : Harmful if swallowed Risk of serious damage to eyes				
_						
		- Effects on the e		Very toxic to aq	-	
		- Physico-chemic	al hazards :	Contact with aci	ds liberates very toxic	gas
		Classification of Product : Harmful				
		Dangerous for			he environment 😾	
3	Composition/Information on Elements	1		1		
	Hazardous components:	% Weight	CAS-nr	EC-nr	R-wording	Symbol
	Sodium Chlorite	10-25%	7758-19-2		8-23/24/25-31-34	ОТС
	Full text of each relevant R phrase can be found in heading 16					
4	First Aid Measures					
	General indications		-		mon medical assistanc	
	After Inhalation	 position Allow the affected person to rest. Take to hospital. Risk of pulmonary oeder Take patient to hospital IMMEDIATELY 				
	After Skin Contact					
	Alter Skill Contact	 Rinse immediately with plenty of water. Remove contaminated clothing and shoes. Rinse abundantly with water (shower if necessary). Obtain medical attention. 				
	After Eye Contact	 Rinse immediately thoroughly and long (at least 15 min.) with plenty of water. 				
		Remove contact lenses. Take to eye doctor afterwards.Keep rinsing or dripping the eye during transport.				
	After Ingestion	 DO NOT INDUCE VOMITING Rinse mouth with water. Take to hospital 				
	Emergency medical treatment	 Symptomatic 	c treatment and su	upportive therap	by as indicated.	
5	Fire Fighting Measures					
Suitable Extinguishing Media		 Incombustible product, but stimulates fire of other materials. All extinguishing media can be used. Use extinguishing media appropriate for surrounding fire 				
	IN ACCORDANCE WITH T			1907/2006, ar	t.31 appendix II.	
	ing date : 2009-10-22					
Compiled by: eOx International byDate of issue: 2009-05-25			Product Revision	: EOXIDE LQ 75 : 1	-A	
Reference number : N-38957			Revision number	: 001		
Reason for revision : General revision			Page			



Sp 	ecial exposure hazards Protection against fire Special procedures	 Use water stream to cool containers May release heat and harmful fumes Contact with combustible material may cause fire after impregnation and drying Evacuate unnecessary personnel Wear proper protective equipment Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves Exercise caution when fighting any chemical fire 		
6 Accidental Spill or	Release Measures			
	Personal Precautions	 Equip cleanup crew with proper protection. Avoid contact with skin and eyes Only approved supplied air or self-contained breathing apparatus operated in positive pressure mode are satisfactory, if exposure can exceed the exposure limit Remove ignition sources Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection 		
Envi	ronmental Precautions	 Prevent entry to public water, sewers or soil. Notify authorities if product enters sewer or public waters. 		
	After spillage/leakage	 Flush with plenty of water Do not allow product to dry out Contact with combustible material may cause fire after impregnation and drying 		
	Recovery on soil	 Stop the spillage, if possible without risk for the workforce Dike for recovery or absorb with appropriate material Sweep or shovel spills into appropriate container for disposal Do not absorb with combustible materials (sawdust,) 		
7 Handling and stor	age			
	Technical measures	Handle in accordance with good industrial hygiene and safety procedures		
Preventi	on of worker exposure	 Where exposure trough inhalation may occur from use, approved respiratory protection equipment is recommended. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work 		
	Storage recommended	 Provide local exhaust or general room ventilation to minimize dust and/or vapor concentrations. Keep containers closed when not in use Keep temperature not exceeding 50°C Keep in fireproof place Keep only in the original container in a cool, well ventilated place Use special care to avoid static electric charges 		
	ncompatible materials	Acids, Reducing agents, Organic compounds, Wood, Paper		
Packaging m	aterials recommended	Polyester, Polyethylene, Stainless steel, (Small quantities: Glass)		
Packaging materi	als NOT recommended	Steel, Copper, Copper and its alloys, Aluminum and its alloys, Rubber		
8 Exposure Controls	/ Personal Protection			
	Respiratory protection	 No special respiratory protection equipment is recommended under normal conditions of anticipated use with adequate ventilation 		
Eye Protection Chemical goggle Skin Protection Depending on the protection show PVC gloves, Nection Industrial Hygiene Emergency eye 				
		IN	ACCORDANCE WITH TH	HE REACH-ENACTMENT (EG) nr. 1907/2006, art.31 appendix II.
Printing date Compiled by Date of issue Reference number Reason for revision	: 2009-10-22 : eOx International bv : 2009-05-25 : N-38957 : General revision	Product : EOXIDE LQ 75 -A Revision : 1 Revision number : 001 Page : 2		



		prompt removal from eyes,	skin and clothing	
9 Phy	ysical/Chemical Properties	pp		
	Physical State / Appearance	▶ Liquid		
Color		 Slightly yellow to green 		
	Odor	Characteristic		
	Decomposition temperature	→ >170°C		
	Specific Gravity / Density (20°)	1.20 g/cm ³		
	Solubility in water	complete		
40 \$	pH value ability and Reactivity	>12. 20°C		
10 St		Product is stable under per	mal temperature and prossures	
	Stability and Reactivity	 Product is stable under nor Store away from heat/mois 	mal temperature and pressures ture	
	Hazardous reactions	 Reacts with Acids: releasing 		
	Hazardous Decomposition Products			
		 Thermal decomposition generates: chlorine dioxide, chlorates 		
	Conditions to Avoid	Temperature not exceeding 50°C		
		 Store away from heat/moisture Acids, Organic compounds, Combustibles, oil reducing agents 		
	Materials to avoid	Acids, Organic compounds,	Compustibles, oil reducing agents	
11 ^{To}	oxicological information			
	Acute Toxicity Rat oral LD50 (mg/kg)	> 200 to 2000 OECD 401		
		 200 to 2000 OECD 401 Harmful if swallowed 		
	Rabbit dermal LD50 (mg/kg)			
	Rabbit dermal LD50			
	Rat inhalation LC50 (mg/l/4h)			
		 Irritating to respiratory system 		
	Chronic toxicity Ingestion	 Death >0,3 mg/l No. Toxics > 10 mg/lg/mat/2 month(c) 		
	Carcinogenicity	 No – Toxic > 10 mg/kg/rat/3 month(s) No significant hazards 		
	Tetratogenicity	 No significant hazards No significant hazards 		
	On ingredients	See heading information on ingredients		
12 Ec	cological information			
	Water toxicity	Avoid release to the enviro		
	96-Hour-LC50 LC50-96 Hour - fish	 (Selenastrum capricornutur) 105 to 500 	m) = 1mg/l	
	48 H-CE50-Daphnia magna (mg/l)			
	WGK class (Germany)			
	On ingredients	 See heading information on ingredients 		
	LC50 72h Algue (mg/l)			
13 ^{Di}	isposal Considerations	Demociae (11		
	Waste Information	 Removing of residues 	Removal as waste according to local and national prescriptions	
		 Polluted Packaging 	prescriptions Removal as waste according to local and national	
			prescriptions	
	Treatment of dirty packaging			
		suitable for the packing of this product. When the packing is consigned, it should be		
		brought back by the supplier.		

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

Printing date Compiled by Date of issue Reference number Reason for revision

: 2009-10-22 : eOx International bv Product : EOXIDE LQ 75 -A : 2009-05-25 Revision :1 : N-38957 Revision number :001 : General revision Page : 3



14	Transport information					
	ADR	R				
	UN-number	1908				
	Proper shipping name	Chlorite solution				
	ADR Class / Packing group					
	ΙΑΤΑ/ΙCΑΟ	1908 Chlorite solution 8, II				
	UN-number					
	Proper shipping name					
	IATA Class / Packing group					
	IMDG					
	UN-number					
	Proper shipping name	Chlorite solution				
	IMO Class / Packing group	8, II				
15	Regulatory Information					
	Labeling Marks According to EC-					
	Directives 67/548/EECs					
	Recognition Numbers and Hazard Symbols	A A				
	• • •	UN 1908 Harmful Dangerous for the environment				
	Content	Chlorite solution				
	R-Phrases	 22 Harmful if swallowed 				
		 32 Contact with acids liberates very toxic gas 				
		 A1 Risk of serious damages to eyes A2 Manufacture a mustic granulation 				
	S-Phrases	 50 Very toxic to aquatic organisms 14 Keep away from acids 				
	S-Phrases	17 Keep away from combustible material				
		26 In case of contact with eyes, rinse immediately with plenty of water and seek				
		medical advice				
		36/37/39 Wear suitable protective clothing, gloves and eye/face protection				
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: R8 Contact with combustible material may cause fire R23/24/25 Toxic by inhalation, in contact with skin and if swallowed R31 Contact with acids liberates toxic gas R34 Causes burns 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					

IN ACCORDANCE WITH THE REACH-ENACTMENT (EG) nr. 1907/2006, art.31 appendix II. : 2009-10-22

Printing date
Compiled by
Date of issue
Reference number
Reason for revision

: eOx International bv : 2009-05-25 : N-38957 : General revision

Product	: EOXIDE LQ 75 -A
Revision	:1
Revision number	:001
Page	: 4