



<b>1. Identification of the substance of mixture and the company or undertaking</b>						
<b>1.1 Product identifiers</b>						
Catalogue No.						
Product Name	SeaTest NO2 - Solution 2					
Reach Registration number						
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>						
Identified Uses	Reagent for analysis					
<b>1.3 Details of the supplier of the safety data sheet</b>						
Company	AQUARIUM SYSTEMS S.A.S ZAC des Terrasses de la Sarre 2, Terrasse Rhône-Alpes 57400 SARREBOURG France Phone : +33-3-87-03-67-30 Fax. +33-3-87-03-10-98 Email: aquariumsystems@aquariumsystems.fr					
1.4 Emergency telephone	+33 3 83 32 36 36 (NANCY Poison Control Centre)					
<b>2. Hazards Identification</b>						
<b>2.1 Classification of the substance or mixture</b>						
	Flammable Liquid Catégorie 2					
<b>2.2 Label elements</b>						
Labeling ( Regulation (EC) No. 12.72/2008)	No labeling needed according to GHS					
<b>2.3 Other Hazards</b>						
	None Known					
<b>3. Composition / information on ingredients</b>						
<b>3.1 Substances/Mixture</b>						
	Ethanolic, aqueous indicator solution.					
<b>3.2. Hazardous ingredients</b>						
		CAS-No.	EC No.	EC-Index-No.	Classification	Content
	Ethanol	64-17-5	200-587-6	011-002-00-6	Flam.Liq. 2, H225	50 %
	Acetic Acid	64-19-7	200-580-7	607-002-00-6	Flam.Liq. 3, H225 Skin Corrosion 1A	3 %
	Full text of H-Phrases in section 16					
<b>4. First Aid Measures</b>						
<b>4.1 General Advice</b>						
	In case of feeling unwell, consult a physician. Show this safety data sheet to the doctor in attendance.					
If inhaled:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician					
In case of skin contact	Wash off with soap and plenty of water. Consult a physician					
In case of eye contact:	Rinse with plenty of water with eyelid held wide open.					
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.					
<b>4.2 Most important symptoms and effects, both acute and delayed</b>						
	Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.					
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>						
	No information available					
<b>5. Fire-fighting measures</b>						
<b>5.1 Extinguishing media</b>						
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide					
<b>5.2 Special hazards arising from the substance or mixture</b>						
	Carbonoxides					
<b>5.3 Advice for firefighters</b>						
	Wear self contained breathing apparatus for firefighting if necessary					
<b>5.4 Further information</b>						
	No data available					



<b>6. Accidental release measures</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
<b>6.2 Environmental Precautions</b>	
	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
<b>6.3 Methods and materials for containment and cleaning up</b>	
	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
<b>6.4 Reference to other sections</b>	
	For disposal see section 13
<b>7. Handling and storage</b>	
<b>7.1 Precautions for safe handling</b>	
	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
	Keep away from sources of ignition .Store tightly closed at + 15° C to 25 ° C on a well-ventilated place
<b>7.3 Specific end uses</b>	
	No data available
<b>8. Exposure controls/ personal protection</b>	
<b>8.1 Control parameters</b>	
	Components with workplace control parameters
<b>8.2 Exposure controls</b>	
Engineering measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Individual protection measures	Protective clothes needs to be selected specially for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier
Eye/face protection	Safety glasses
Skin protection	Handle with gloves. <b>Immersion protection</b> Material: butyl rubber Minimum layer thickness: 0,3 mm Break through time: > 480 min <b>Splash protection</b> Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: > 30 min If used in solution, or mixed with other substances, and under conditions which differ from EN 374,contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Body Protection	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	Respiratory protection is not required.
Environmental exposure controls	Do not empty into drains
<b>9. Physical and chemical properties</b>	
<b>9.1 Information on basic physical and chemical properties</b>	
Form	Liquid
Color	Colorless to very slightly purple
Odor	Of ethanol and acetic acid
Odor threshold	No data available
pH	5,5- 6,0
Melting point	No data available
Boiling Point	No data available
Flash point	No data available
Evaporation rate	No data available



Flammability ( solid gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
<b>9.2 Other safety information</b>	
	No data available
<b>10. Stability and reactivity</b>	
<b>10.1 Reactivity</b>	
	No data available
<b>10.2 Chemical stability</b>	
	No data available
<b>10.3 Possibility of hazardous reaction</b>	
	No data available
<b>10.4 Conditions to avoid</b>	
	Light, heating
<b>10.5 Incompatible materials</b>	
	Risk of explosion with: / Risk of ignition or formation of inflammable gases or vapors with: alkali metals, alkaline earth metals, alkali oxides, strong oxidizing agents, halogen-halogen compounds, CrO <sub>3</sub> , chromyl chloride, ethylene oxide, fluorine, perchlorates, potassium permanganate / sulfuric acid, perchloric acid, permanganic acid, phosphorus oxides, nitric acid, nitrogen dioxide, uranium hexafluoride, hydrogen peroxide.
<b>10.6 Hazardous decomposition products</b>	
	No data available
<b>11. Toxicological information</b>	
<b>11.1 Information in toxicological effects</b>	
<b>Acute toxicity</b>	No data available
<b>Skin corrosion / Irritation</b>	No data available
<b>Serious Eye damage/ eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ – toxicity</b>	No data available
<b>Specific target organ - repeated exposure</b>	May cause respiratory irritation
<b>Aspiration hazard</b>	No data available
<b>Potential health effects</b>	Inhalation      May be harmful if inhaled. slight mucosal irritations. Risk of absorption Ingestion      May be harmful if swallowed large amounts:nausea and vomiting Skin              May be harmful if absorbed through skin. After long-term exposure to the chemical: dermatitis Eyes              Slight irritations
<b>Signs and Symptoms of Exposure</b>	No data available
<b>Additional Information</b>	No data available



<b>12. Ecological information</b>	
<b>12.1 Toxicity</b>	The following applies to Ethanol in general. Readily biodegradable. When used properly, no impairments in the function of waste- water-treatment plants are to be expected. Fish toxicity: L. idus LC <sub>50</sub> : 8140 mg/l; Limit of harmfulness: Daphnia EC <sub>0</sub> : < 7800 mg/l; Maximum permissible toxic concentration: Bacterial toxicity: Ps. putida EC <sub>5</sub> : 6500 mg/l; Algeal toxicity: Sc. quadricauda EC <sub>5</sub> : 5000 mg/l.
<b>12.2 Persistence and degradability</b>	No data available
<b>12.3 Bioaccumulative potential</b>	No data available
<b>12.4 Mobility in soil</b>	No data available
<b>12.5 Results of PBT and vPvB assessment</b>	No data available
<b>12.6 Other adverse effects</b>	No data available
<b>13. Disposal considerations</b>	
<b>13.1 Waste treatment methods</b>	
Product	Chemicals must be disposed of in compliance with the respective national regulations
Contaminated packaging	Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.
<b>14. Transport information</b>	
<b>14.1 UN Number</b>	ADR/RID: 1170      IMDG: 1170      IATA: 1170
<b>14.2 UN Proper shipping name</b>	ADR/RID:      Ethanolic solution IMDG:      Ethanolic solution IATA:      Ethanolic solution
<b>14.3 Transport Hazards Class(es)</b>	
	ADR/RID: -      IMDG: -      IATA: -
<b>14.4 Packaging group</b>	
	ADR/RID: III      IMDG: III      IATA: III
<b>14.5 Environmental hazards</b>	
	ADR/RID: no      IMDG marine pollutant: no      IATA: no
<b>14.6 Special precautions for user</b>	
	No data available
<b>15. Regulatory information</b>	
	This safety data sheet complies with the requirements of Regulation ( EC) no. 1907/2006
<b>15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture</b>	
	No data available
<b>15.2 Chemical safety Assessment</b>	
	No data available
<b>16. Other information</b>	
	The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product  H225      Highly flammable liquid and Vapour