SAFETY DATA SHEET: Sea Test PO4- Test-1
according to regulation No. 1907/2006 EC
Date of Issue: 13-3-2015

1. Identification of the substance of mixture and the company or undertaking	
1.1 Product identifiers	
Catalogue No.	
Product Name	PO4-Test colormetroic with colorchart – solution 1
Reach Registration number	
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified Uses	Reagent for analysis
1.3 Details of the supplier of the safety data sheet	
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)**
2.Hazards Identification	
2.1 Classification of the substance or mixture	
	Skin corrosion Category 1A
2.2 Label elements	
Labeling (Regulation (EC) No. 12.72/2008	Pictogram  Signal word Danger Hazard statement(s) H314 Causes severe skin burns and eye damage. Precautionary statement(s) P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/ physician. Supplemental H
2.3 Other Hazards	
	None Known
3. Composition / information on ingredients	
3.1 Substances/Mixture	
	Aqueous solution of Sulfuric acid and inorganic salts
3.2. Hazardous ingredients	
	Sulfuric acid CAS-No. EC No. EC-Index-No. Classification Content 7664-93-9 231-639-5 016-020-00-8 Skin Corr. 1A, H314 30 % Full text of H-Phrases in section 2.2
4. First Aid Measures	
4.1 General Advice	
	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	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician
In case of eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed	
	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Pulmonary edema. Effects may be delayed., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
4.3 Indication of any immediate medical attention and special treatment needed	
	No information available

5. Fire-fighting measures	
5.1 Extinguishing media	
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
5.2 Special hazards arising from the substance or mixture	
	Sodiumoxides
5.3 Advice for firefighters	
	Wear self contained breathing apparatus for firefighting if necessary
5.4 Further information	
	No data available
6. Accidental release measures	
6.1 Personal precautions, protective equipment and emergency procedures	
	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
6.2 Environmental Precautions	
	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
6.3 Methods and materials for containment and cleaning up	
	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
6.4 Reference to other sections	
	For disposal see section 13
7. Handling and storage	
7.1 Precautions for safe handling	
	Avoid inhalation of vapour or mist.
7.2 Conditions for safe storage, including any incompatibilities	
	Store tightly closed at + 15º C to 25 º C on a well-ventilated place. Containers which are opened must be carefully released and kept upright to prevent leakage
7.3 Specific end uses	
	No data available
8. Exposure controls/ personal protection	
8.1 Control parameters	
	Components with workplace control parameters
8.2 Exposure controls	
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	Tightly fitting safety glasses
Skin protection	Handle with gloves. **Immersion protection** Material: Fluorinated rubber Minimum layer thickness: 0,07 mm Break through time: > 480 min **Splash protection** Material: Nitrile rubber Minimum layer thickness: 0,2 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	Complete Suit protecting against chemicals. 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
9. Physical and chemical properties	

9.1 Information on basic physical and chemical properties	
Form	Liquid
Color	Colorless
Odor	Odorless
Odor threshold	No data available
pH	1
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	soluble
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
9.2 Other safety information	
	No data available
10. Stability and reactivity	
10.1 Reactivity	
	No data available
10.2 Chemical stability	
	No data available
10.3 Possibility of hazardous reaction	
	No data available
10.4 Conditions to avoid	
	Light
10.5 Incompatible materials	
	Bases, Halides, Organic materials, Carbides, fulminates, Nitrates, picrates, Cyanides, Chlorates, alkali halides, Zinc salts, permanganates, e.g. potassium permanganate, Hydrogen peroxide, Azides, Perchlorates., Nitromethane, phosphorous, Reacts violently with:, cyclopentadiene, cyclopentanone oxime, nitroaryl amines, hexalithium disilicide, phosphorous(III) oxide, Powdered metals
10.6 Hazardous decomposition products	
	No data available
11. Toxicological information	
11.1 Information in toxicological effects	
Acute toxicity	
	LD50 Oral - rat - 7130 mg/kg LC50 Inhalation - rat - 2 h - 1710 mg/m3
Skin corrosion / Irritation	Skin - rabbit - Extremely corrosive and destructive to tissue.
Serious Eye damage/ eye irritation	Eyes - rabbit - Severe eye irritation
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	The International Agency for Research on Cancer (IARC) has determined that occupational exposure to strong-inorganic-acid mists containing sulfuric acid is carcinogenic to humans (group 1). IARC: 1 - Group 1: Carcinogenic to humans (Sulfuric acid)
Reproductive toxicity	No data available

Specific target organ – toxicity	No data available
Specific target organ - repeated exposure	No data available
Aspiration hazard	No data available
Potential health effects	Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed. Causes burns. Skin: May be harmful if absorbed through skin. Causes skin burns. Eyes: Causes eye burns
Signs and Symptoms of Exposure	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Pulmonary edema. Effects may be delayed., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Additional Information	RTECS: WS5600000
12. Ecological information	
12.1 Toxicity	
	Toxicity to fish LC50 Gambusia affinis (mosquito fish) – 76 ml/l 96 h
12.2 Persistence and degradability	
	No data available
12.3 Bioaccumulative potential	
	No data available
12.4 Mobility in soil	
	No data available
12.5 Results of PBT and vPvB assessment	
	No data available
12.6 Other adverse effects	
	Harmful to aquatic life
13. Disposal considerations	
13.1 Waste treatment methods	
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.
14. Transport information	
14.1 UN Number	
	ADR/RID: 1830 IMDG: 1830 IATA: 1830
14.2 UN Proper shipping name	
	ADR/RID: Sulphuric Acid IMDG: Sulphuric Acid IATA: Sulphuric Acid
14.3 Transport Hazards Class(es)	
	ADR/RID: 8 IMDG: 8 IATA: 8
14.4 Packaging group	
	ADR/RID: II IMDG: II IATA: II
14.5 Environmental hazards	
	ADR/RID: no IMDG marine pollutant: no IATA: no
14.6 Special precautions for user	
	No data available
15. Regulatory information	
	This safety data sheet complies with the requirements of Regulation (EC) no. 1907/2006
15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture	
	No data available
15.2 Chemical safety Assessment	
	No data available
16. Other information	
	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