



1. Identification of the substance of mixture and the company or undertaking	
1.1 Product identifiers	
Catalogue No.	
Product Name	PO ₄ ³⁻ -Test Colorimetric Test with color chart - Powder 2
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	
	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.
2.2 Label elements	
Labeling (Regulation (EC) No. 12.72/2008	This product does not to be labeled in accordance to GHS
2.3 Other Hazards	
	None Known
3. Composition / information on ingredients	
3.1 Substances/Mixture	
	Mixture of organic substances
3.2. Hazardous ingredients	
	No hazardous ingredients
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.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact:	Flush with water as a precaution.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.
4.2 Most important symptoms and effects, both acute and delayed	
	Chronic ingestion of large doses may cause gastrointestinal disturbances including nausea and diarrhea, urinary effects involving urine acidification, oxalate and uric crystallization in the bladder and kidney, and decreased reaction times and psychomotor coordination.
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	
	Carbon oxides
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	
	Avoid dust formation. Avoid breathing vapors, mist or gas.
6.2 Environmental Precautions	
	Do not let product enter drains.
6.3 Methods and materials for containment and cleaning up	
	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	
	Provide appropriate exhaust ventilation at places where dust is formed.
7.2 Conditions for safe storage, including any incompatibilities	
	Store tightly closed at + 15° C to 25 ° C, light sensitive
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	Safety glasses
Skin protection	Handle with gloves. Immersion protection Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: > 480 min Splash protection 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
9. Physical and chemical properties	
9.1 Information on basic physical and chemical properties	
Form	Solid
Color	White crystals
Odor	Odorless
Odor threshold	No data available
pH	1.0-2.5 at 176 g/l at 25 °C
Melting point	190-194 °C dec point
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



Date of Issue: 13-3-2015

Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	176 g/l at 20 °C
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	
	Strong oxidizing agents
10.6 Hazardous decomposition products	
	No data available
11. Toxicological information	
11.1 Information in toxicological effects	
Acute toxicity	
	LD50 Oral - rat - 11.900 mg/kg Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Behavioral:Somnolence (general depressed activity). Diarrhoea
Skin corrosion / Irritation	No data available
Serious Eye damage/ eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Genotoxicity in vitro - mouse - Liver Other mutation test systems Genotoxicity in vivo - mouse - Intraperitoneal Micronucleus test
Carcinogenicity	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.
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. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes May causes eye burns
Signs and Symptoms of Exposure	Chronic ingestion of large doses may cause gastrointestinal disturbances including nausea and diarrhea, urinary effects involving urine acidification, oxalate and uric crystallization in the bladder and kidney, and decreased reaction times and psychomotor coordination.
Additional Information	RTECS: CI7650000



12. Ecological information	
12.1 Toxicity	No data available
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	No data available
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: - IMDG: - IATA: -
14.2 UN Proper shipping name	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
14.3 Transport Hazards Class(es)	
	ADR/RID: - IMDG: - IATA: -
14.4 Packaging group	
	ADR/RID: - IMDG: - IATA: -
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