



**Safety Data Sheet**  
According to Regulation (EC) No 1907/2006 REACH

Product Name: Reef Crystals Sea Salt

Item Number: 210056, 210133, 210382, 210517, 211192, 216029, 216031, 218036, 250052, 250071

Company: AQUARIUM SYSTEMS SAS, ZAC Les Terrasses de la Sarre – 2, Terrasse Rhône-Alpes – 57400 SARREBOURG

Revised: 25/11/21

Section 1	Identification of the substance/mixture and of the company/undertaking	
1.1	Product identifier	
	Trade Name:	Reef Crystals
	Item Number:	210056      250052 210133      250071 210382 210517 211192 216031 218036
1.2	Relevant identified uses of the substance or mixture and uses advised against relevant identified uses	
	Use of the substance/mixture: Aquarium and Aquatic Life Support Systems Product	
1.3	Details of the supplier of the safety data sheet	
1.4	Company name:	Aquarium Systems France ZAC des Terrasses de la Sarre 2 Terrasse Rhône-Alpes 57400 SARREBOURG France
	Phone: Fax: Email:	+33 3 87 03 67 30 +33 3 87 03 10 98 <a href="mailto:aquariumsystems@aquariumsystems.fr">aquariumsystems@aquariumsystems.fr</a>
	Emergency Telephone Number:	+33 3 87 03 67 30



# Safety Data Sheet

According to Regulation (EC) No 1907/2006 REACH

Product Name: Reef Crystals Sea Salt

Item Number: 210056, 210133, 210382, 210517, 211192, 216029, 216031, 218036, 250052, 250071

Company: AQUARIUM SYSTEMS SAS, ZAC Les Terrasses de la Sarre – 2, Terrasse Rhône-Alpes – 57400 SARREBOURG

Revised: 25/11/21

Section 2	Hazards Identification
2.1	<b>Classification of the substance or mixture</b> mixture of ionic solids NaCl < 50% MgCl <sub>2</sub> - NaSO <sub>4</sub> - CaCl <sub>2</sub> - KCl -
2.2	<b>Label elements</b> Not a hazardous substance or mixture
2.3	<b>Other Hazards</b>

Section 3	Composition/information on ingredients
3.1	<b>Substances</b> mixture of ionic solids NaCl < 50% MgCl <sub>2</sub> - NaSO <sub>4</sub> - CaCl <sub>2</sub> - KCl
3.2	<b>Mixture</b> Hazardous ingredients according to Regulation (EC) No. 1272/2008 [CLP]:

Section 3	Composition/information on ingredients - Continued		
EC-No:	CAS:	Registration Number:	Proportion:
231-598-3	7647-14-5		
Classification according to Regulation (EC) No: 1272/2008:			
Hazard pictogram:			
Not a hazardous substance or mixture			



# Safety Data Sheet

According to Regulation (EC) No 1907/2006 REACH

Product Name: Reef Crystals Sea Salt

Item Number: 210056, 210133, 210382, 210517, 211192, 216029, 216031, 218036, 250052, 250071

Company: AQUARIUM SYSTEMS SAS, ZAC Les Terrasses de la Sarre – 2, Terrasse Rhône-Alpes – 57400 SARREBOURG

Revised: 25/11/21

Section 4	First aid measures	
4.1	Description of first aid measures	
	General information	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
	Following inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
	Following skin contact	Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists
	Following eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Obtain medical attention if irritation develops or persists.
	Following ingestion	May lead to nausea or diarrhoea. Do NOT induce vomiting. Rinse mouth. Give large quantities of water. Consult a doctor/physician promptly.
4.2	Most important symptoms and effects, both acute and delayed	
	<p><u>Symptoms/Injuries</u>: May cause slight eye irritation.</p> <p><u>Symptoms/Injuries After Inhalation</u>: May cause respiratory irritation.</p> <p><u>Symptoms/Injuries After Skin Contact</u>: May cause skin irritation.</p> <p><u>Symptoms/Injuries After Eye Contact</u>: May cause slight eye irritation.</p> <p><u>Symptoms may include</u>: Redness, pain, swelling, itching, burning, tearing and blurred vision.</p> <p><u>Symptoms/Injuries After Ingestion</u>: Ingestion is likely to be harmful or have adverse effects.</p> <p><u>Chronic Symptoms</u>: None expected under normal conditions of use.</p>	
4.3	Indication of any immediate medical attention and special treatment needed	
	Treatment:	If you feel unwell, seek medical advice (show the label where possible).



**Safety Data Sheet**  
According to Regulation (EC) No 1907/2006 REACH

Product Name: Reef Crystals Sea Salt

Item Number: 210056, 210133, 210382, 210517, 211192, 216029, 216031, 218036, 250052, 250071

Company: AQUARIUM SYSTEMS SAS, ZAC Les Terrasses de la Sarre – 2, Terrasse Rhône-Alpes – 57400 SARREBOURG

Revised: 25/11/21

Section 5	Fire-fighting measures	
5.1	Extinguishing media	
	Suitable extinguishing media:	Use extinguishing media appropriate for surrounding fire.
	Unsuitable extinguishing media:	Do not use a heavy water stream. Use of heavy stream of water may spread fire.
5.2	Special hazards arising from the substance or mixture	
	<u>Fire Hazard</u> : No hazards exist. <u>Explosion Hazard</u> : Product is not explosive. <u>Reactivity</u> : Hazardous reactions will not occur under normal conditions.	
5.3	Advice for fire-fighters	
	<u>Precautionary Measures Fire</u> : Exercise caution when fighting any chemical fire. <u>Firefighting Instructions</u> : Use water spray or fog for cooling exposed containers. Do not allow run-off from fire fighting to enter drains or watercourses. <u>Protection During Firefighting</u> : Do not enter fire area without proper protective equipment, including respiratory protection. <u>Other Information</u> : Refer to Section 9 for flammability properties.	

Section 6	Accidental release measures	
6.1	Personal precautions, protective equipment, and emergency procedures	
	Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray). <b>For Non-emergency Personnel</b> <u>Protective Equipment</u> : Use appropriate personal protection equipment (PPE). <u>Emergency Procedures</u> : Evacuate unnecessary personnel. <b>For Emergency Responders</b> <u>Protective Equipment</u> : Equip cleanup crew with proper protection. <u>Emergency Procedures</u> : Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.	
6.2	Environmental precautions	
	No special precautions.	
6.3	Methods and material for containment and cleaning up	
	<u>For Containment</u> : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Collect and reuse. <u>Methods for Cleaning Up</u> : Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to suitable container for reuse.	
6.4	Reference to other sections	
	See Heading 8. Exposure controls and personal protection. For further information refer to section 13.	



# Safety Data Sheet

According to Regulation (EC) No 1907/2006 REACH

Product Name: Reef Crystals Sea Salt

Item Number: 210056, 210133, 210382, 210517, 211192, 216029, 216031, 218036, 250052, 250071

Company: AQUARIUM SYSTEMS SAS, ZAC Les Terrasses de la Sarre – 2, Terrasse Rhône-Alpes – 57400 SARREBOURG

Revised: 25/11/21

Section 7	Handling and Storage	
7.1	Precautions for safe handling	
	Avoid contact with skin, eyes and clothing. Avoid breathing (vapor, mist, spray).	
	<b>Measures taken as a protection from the dangers of fire and explosions</b>	
	<b>Hygiene measures</b>	
	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.	
7.2	<b>Conditions for safe storage, including any incompatibilities</b>	
	<b>Requirements for storage facilities and containers:</b>	
	Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.	
	<b>Hints for combined storage</b>	
	<b>Further information on storage conditions</b>	
	Storage class:	
	<b>Storage stability information</b>	
7.3	<b>Specific end use(s)</b>	
	Aquarium and Aquatic Life Support Systems Product	



# Safety Data Sheet

According to Regulation (EC) No 1907/2006 REACH

Product Name: Reef Crystals Sea Salt

Item Number: 210056, 210133, 210382, 210517, 211192, 216029, 216031, 218036, 250052, 250071

Company: AQUARIUM SYSTEMS SAS, ZAC Les Terrasses de la Sarre – 2, Terrasse Rhône-Alpes – 57400 SARREBOURG

Revised: 25/11/21

Section 8	Exposure controls/personal protection	
8.1	<b>Control parameters</b> For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).	
8.2	<b>Limitation and monitoring of exposure</b>	
	<b>Appropriate engineering controls:</b>	Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed
	<b>Personal protective equipment:</b> Wear chemically resistant protective gloves.	
	<b>Respiratory protection:</b>	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
	<b>Eye protection:</b>	Chemical safety goggles
	<b>Body Protection:</b>	Chemically resistant materials and fabrics.
	<b>Environmental exposure Controls:</b>	

Section 9	Physical and chemical properties	
9.1	<b>Information on basic physical and chemical properties</b>	
	<b>Appearance:</b>	Solid Crystals
	<b>Colour:</b>	White
	<b>Odour:</b>	Odourless
	<b>Odour threshold:</b>	
	<b>pH:</b>	8-8.5
	<b>Boiling point/Boiling range:</b>	
	<b>Melting point/freezing point:</b>	
	<b>Flame point:</b>	
	<b>Evaporation rate:</b>	
	<b>Ignition temperature:</b>	
	<b>Spontaneous combustion:</b>	
	<b>Vapor pressure:</b>	
	<b>Vapor density:</b>	
	<b>Density:</b>	2.17
	<b>Solubility in water:</b>	35g/100ml
	<b>Viscosity:</b>	
	<b>Decomposition temperature:</b>	
	<b>Explosive properties:</b>	
	<b>Oxidizing characteristics:</b>	



**Safety Data Sheet**  
According to Regulation (EC) No 1907/2006 REACH

Product Name: Reef Crystals Sea Salt

Item Number: 210056, 210133, 210382, 210517, 211192, 216029, 216031, 218036, 250052, 250071

Company: AQUARIUM SYSTEMS SAS, ZAC Les Terrasses de la Sarre – 2, Terrasse Rhône-Alpes – 57400 SARREBOURG

Revised: 25/11/21

Section 10	Stability and reactivity	
10.1	Reactivity	
	Hazardous reactions will not occur under normal conditions.	
10.2	Chemical stability	
	Stable under recommended handling and storage conditions (See section 7).	
10.3	Possibility of hazardous reactions	
	Hazardous polymerization will not occur	
10.4	Conditions to avoid	
	Direct sunlight. Extremely high/low temperatures. Ignition sources. Incompatible materials	
10.5	Incompatible materials: Bactericides. Chlorine. Strong acids. Strong bases. Strong oxidizers	
	With strong acids:	
	With oxidizing agents:	
10.6	Hazardous decomposition products	
	Thermal decomposition generates: Carbon oxides (CO, CO <sub>2</sub> ). Corrosive vapors.	

Section 11	Toxicological information		
11.1	Information on toxicological effects		
	Non Toxic		
	Toxicology of dangerous raw material		
	Acute toxicity		
	CAS No:	EC-No:	Registration Number:
	LD50 (oral):		
	Dermal LD50:		
	Irritation		
	To the skin:		
	On the eye:		
	Etching effect		
	Sensitization		
	Specific target organ toxicity (repeated exposure)		
	Carcinogenicity		
Germ cell mutagenicity			



# Safety Data Sheet

According to Regulation (EC) No 1907/2006 REACH

Product Name: Reef Crystals Sea Salt

Item Number: 210056, 210133, 210382, 210517, 211192, 216029, 216031, 218036, 250052, 250071

Company: AQUARIUM SYSTEMS SAS, ZAC Les Terrasses de la Sarre – 2, Terrasse Rhône-Alpes – 57400 SARREBOURG

Revised: 25/11/21

Section 11	Toxicological information - Continued
	<b>Reproductive toxicity</b>
	<b>General comments</b>
	Symptoms/Injuries After Inhalation: May cause respiratory irritation Symptoms/Injuries After Skin Contact: May cause skin irritation Symptoms/Injuries After Eye Contact: May cause eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision. Symptoms/Injuries After Ingestion: Ingestion if likely to be harmful or have adverse effects Chronic Symptoms: None expected under normal conditions of use.
	<b>Other indications:</b>

Section 12	Ecological information		
12.1	Toxicity		
	Toxicity of the dangerous raw material		
	CAS No:	EC-No:	Registration Number:
	LC50/48h:		
	EC50/96h:		
	EC50/72h:		
12.2	Persistence and degradability		
12.3	Bio accumulative potential		
	Bioaccumulation is not expected to be significant.		
12.4	Mobility in soil		
12.5	Results of PBT and vPvB assessment		
12.6	Other adverse effects		
	General information		
	Behaviour in sewage processing plants		





# Safety Data Sheet

According to Regulation (EC) No 1907/2006 REACH

Product Name: Reef Crystals Sea Salt

Item Number: 210056, 210133, 210382, 210517, 211192, 216029, 216031, 218036, 250052, 250071

Company: AQUARIUM SYSTEMS SAS, ZAC Les Terrasses de la Sarre – 2, Terrasse Rhône-Alpes – 57400 SARREBOURG

Revised: 25/11/21

Section 13	Disposal considerations
13.1	Waste treatment methods
	Treatment of polluted packages
	The appropriate disposal of the product
	. Dispose of waste material in accordance with all local, regional, national and international regulations.
	Recommended cleaning agent

Section 14	Disposal considerations
14.1	UN Number:
	In Accordance with DOT : Not regulated for transport In Accordance with IMDG : Not regulated for transport In Accordance with IATA : Not regulated for transport
14.2	UN proper shipping name:
14.3	Transport hazard class:
14.4	Packing group
14.5	Environmental hazards:
14.6	Special precautions for user:
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code:
	Comment:
	Additional information about the transport:



# Safety Data Sheet

According to Regulation (EC) No 1907/2006 REACH

Product Name: Reef Crystals Sea Salt

Item Number: 210056, 210133, 210382, 210517, 211192, 216029, 216031, 218036, 250052, 250071

Company: AQUARIUM SYSTEMS SAS, ZAC Les Terrasses de la Sarre – 2, Terrasse Rhône-Alpes – 57400 SARREBOURG

Revised: 25/11/21

Section 15	Regulatory information
15.1	<b>Safety, health, and environmental regulations/legislation specific for the substance or mixture</b>
	OSHA: This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200
	SARA: This product does not contain any ingredient(s) listed as an extremely hazardous substance (EHS) for Emergency Planning under sections 300-303 and for Emergency Release Notification under section 304.
	CERCLA Reportable Quantity: This product does not contain any ingredient(s) listed as a hazardous substance (EHS) for Emergency Release Notification under section 304.
	State of California, Proposition 65: No components of this product are listed under State of California Proposition 65 to cause cancer or birth defects or other reproductive harm.
	<b>National Regulations</b>
	<b>Information about limitation of use</b>
	<b>Case of failure regulation</b>
	<b>Classification according to VbF</b>
	<b>According to TA Luft</b>
	<b>Water hazard class</b>
	<b>Other regulations, limitations and prohibitive regulations</b>

Section 16	Other information
	<b>Indication of changes</b>
	General revision
	<b>Hazard statements related to section 2 and 3 in accordance with the regulation (EG)Nr.:1272/2008:</b>
	Not a hazardous substance or mixture
	<b>Recommended uses and restrictions</b>
	<b>Literature references and sources for data</b>
	Safety data sheets for raw materials REACH Regulation 1907/2006/EC CLP Regulation (EC) No 1272/2008
	<b>Additional information</b>
	The information is based on the current state of our knowledge. However, they do not constitute an assurance of product properties and do not establish a legal relationship. The user of this product is obliged to hand over to all persons, who come into contact with the product, the information necessary for occupational safety, environmental and health protection in the form of this safety information sheet