

Section 1: Identification	
Product Name:	EOS QR
Chemical Description:	Clear liquid; soluble substrate
Manufacturer:	EOS Asia Remediation Co., Ltd. 1F., No. 20, Anlin 3rd St., Yanchao, Kaohsiung, Taiwan 824 (P): +886-7-616-9827 www.eos-asia.com
Recommended Use:	Groundwater bioremediation (environmental applications)
Restricted Use:	Not for human consumption.
24-Hour Emergency Contact:	EOS Asia Remediation Co., Ltd.: Taiwan (P): +886-7-616-9827 ChemTel: International (P): 813-248-0585

Section 2: Hazard(s) Identification	
Hazard Classification:	Respiratory tract irritant; Irritant (skin and eye)
Signal Word:	Warning
Hazard Statement(s):	Potential eye and skin irritant; Inhalation may aggravate any preexisting respiratory disease.
Pictograms:	
Precautionary Statement(s):	Not for human consumption. Avoid contact with eyes and skin. Wear protective gloves and eye protection.

Section 3: Composition/Information on Ingredients		
Common Name(s)	CAS NO.	% by Weight
Quick Release Soluble Substrate Trade Secret ¹	Proprietary	99
Water	7732-18-5	1

1 – The soluble substrates and emulsifiers are generally recognized as safe for food contact.

Section 4: First-Aid Measures	
Routes of Exposure	Emergency First-Aid Procedures
Inhalation	Remove to fresh air; as with exposure to any environment without adequate personal protection, inhalation may aggravate any preexisting respiratory disease.
Eye Contact	Flush with water for 15 minutes; if irritation persists see a physician.
Skin Contact	Wash with mild soap and water for 15 minutes.
Ingestion	Rinse mouth with water and drink 1-2 glasses of milk or water. Do not induce vomiting. Immediately seek medical attention.

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Section 5: Fire-Fighting Measures	
Extinguishing Media:	CO ₂ , foam, dry chemical
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus and chemical resistant clothing. Use water spray to cool fire exposed containers.
Fire Hazard(s):	Burning will cause oxides of carbon.

Section 6: Accidental Release Measures	
Personal Precautions:	Avoid contact with eyes and skin. Avoid breathing vapor or mist.
Emergency Procedures:	N/A
Methods & Materials used for Containment:	Spread coarse-grained kitty litter over spill area and sweep using broom and pan or dilute with water and mop up.
Cleanup Procedures:	Soak up with inert dry absorbent. Mop excess material into containers for disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid discharge to sewers and surface waters.

Section 7: Handling and Storage	
Safe Handling & Storage:	Store in cool, dry, well-ventilated area away from all sources of heat and ignition. Keep out of direct sunlight and protect from moisture and incompatible materials. Do not store near excessive heat or oxidizers.
Other Precautions:	Consumption of food and beverages should be avoided in work area where product is being used. After handling product, always wash hands and face thoroughly with soap and water before eating, drinking, or smoking.

Section 8: Exposure Controls/Personal Protection		
Exposure Limits		
OSHA PEL:	Mist	15mg/m ₃ (total) 5mg/m ₃ (respirable)
ACGIH TLV:	Mist	10mg/m ₃
NIOSH REL:	Mist	15mg/m ₃ (total) 5mg/m ₃ (respirable)
Personal Protective Measures		
Respiratory Protection:	Not normally required.	
Hand Protection:	Protective gloves are recommended	
Eye Protection:	Recommended	
Engineering Measures:	Local exhaust ventilation	
Hygiene Measures:	Wash promptly with soap & water if skin becomes irritated from contact.	
Other Protection:	Wear appropriate clothing to prevent excessive skin contact.	

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Section 9: Physical and Chemical Properties			
Appearance:	Clear Liquid	Explosive Limits:	NE
Odor:	Odorless	Vapor Pressure:	0 kPa (@ 20°C)
Odor Threshold:	NE	Vapor Density:	Heavier than air
pH:	Neutral	Relative Density:	1.26 g/cm ₃
Melting Point/Freezing Point:	19°C	Solubility:	Miscible
Boiling Point:	290°C	Partition coefficient:	NE
Flash Point:	>160°C	Auto-ignition Temperature:	400°C
Evaporation Rate:	NE	Decomposition Temperature:	290°C
Flammability (solid, gas):	NE	Viscosity:	NE

Section 10: Stability and Reactivity	
Stability:	Stable
Incompatibility:	Strong oxidizers
Hazardous Decomposition Products:	Thermal decomposition may produce oxides of carbon, and irritating and toxic fumes and gases
Hazardous Reactions/Polymerization:	Will not occur
Conditions to Avoid:	Ignition sources, excess heat

Section 11: Toxicological Information	
Likely Routes of Exposure:	Ingestion, dermal, inhalation
Signs and Symptoms of Exposure:	Coughing, redness & irritation of the eyes or skin.
Health Hazards	
Acute:	Potential eye and skin irritant; potential respiratory and digestive tract irritant.
Chronic:	None known
Carcinogenicity	
NTP:	No
IARC:	No
OSHA:	No

Section 12: Ecological Information (non-mandatory)	
There is no data on the ecotoxicity of this product.	

Section 13: Disposal Considerations (non-mandatory)	
Waste Disposal Methods:	Dispose of according to Federal and local regulations for non-hazardous waste. Recycle, if practical.

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Section 14: Transport Information (non-mandatory)

The product is not covered by international regulation on the transport of dangerous goods.

No transport warning required.

Section 15: Regulatory Information (non-mandatory)

N/A

Section 16: Other Information

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