

SAFETY DATA SHEET

SECTION 1 — IDENTIFICAT Product Identifier					
Product Name	AQUASEAL™				
Product Code	3818				
Relevant identified uses of the sub		a adviced against			
Recommended use			ator-colublo mond	and prevent resin migration.	
		ally formulated to seal w	vater-soluble manurel	and prevent resin migration.	
Details of the supplier of the safety					
lanufacturer		Manufacturing, LLC.			
	7800 South Nogales	Highway			
	Tucson, AZ 85756				
elephone (General)	520.547.0850				
mergency Telephone Number					
		ardous Materials Suppo			
		MTREC (Spill related er	mergencies)		
SECTION 2 — HAZARD(S) II	DENTIFICATION				
Inited States (US)					
Classification of the substance or n	nixture				
OSHA HCS 2012	AquaSeal™ 3818 ha	s no known hazardous	properties.		
	Skin Irritation 2 - H3				
	The formula is prop	rietary information and	is the property of Adv	vanced Ceramics Manufacturing.	
Label Components					
	The product does no	ot require a danger labe	el.		
Other Dangers					
	$\langle \cdot \rangle$				
	Eye Contact – Direct	t contact may cause irri	tation.		
	•••••••••••••••••••••••••••••••••••••••	t contact may cause irr			
		cific information availab		of exposure.	
	Ingestion – No kn				
		s of Exposure to Airbo	orne Dust – N/A		
SECTION 3 — COMPOSITIO					
Chemical Characterization	Mixture (water-solul				
lixtures	The product does no	ot contain substances c	lassified as dangerous	s in accordance to OSHA 29 CFR 1910.1200 HCS	
Materials:	Identifiers	WT%	TLV (mg/m ³)	PEL (mg/m ³)	
Ion-toxic polymer (Trade Secret)		1%-30%	NE	NE	
Vater	7732-18-5	>70%	NE	NE	
	(T) - Total ((R) - Respirable	(I) - Inhalable	(NE) - Not Established	
SECTION 4 — FIRST-AID M			•		
General Information		t problem consults a pl	nysician		
Contact with Eyes	· · · · · · · · · · · · · · · · · · ·	In case of persistent problem, consults a physician. Flush eyes with running water for 15 minutes — lift upper and lower eyelids.			
Contact with Skin	······	Flush eyes with running water for 15 minutes — lift upper and lower eyelids. Wash skin thoroughly with mild soap and water.			
nhalation	······································	ion available, but unlike			
ingestion	No specific informat		in route of exposure.		
Most important symptoms and effe					
nost important symptoms and ene		- Toxicological Informat	tion		
Indication of any immodiate media					
Indication of any immediate medic					
	Refer to section 4.				
SECTION 5 — FIRE-FIGHTIN	IU WEASUKES				
Extinguishing Media					
uitable Extinguishing Media		····		oam, carbon dioxide, extinguishing powder	
Insuitable Extinguishing Media		eaming water, as this m	nay spread the fire.		
pecial hazards arising from the su					
Inusual Fire and Explosion Hazards	Solid active ingredie	nt heated in onen flam	e can produce potent	ally toxic substances.	
חינשטטו דווכ מויני בגעוטאטוו המצמועג		пі пеагец іп орен папія	e cun produce potent	/	
	······	· · · · · · · · · · · · · · · · · · ·		·····	
dvice for Firefighters	Always wear full fire	prevention gear: hard		of clothing, work gloves and a respirator.	
·····	Always wear full fire	prevention gear: hard		·····	
dvice for Firefighters SECTION 6 — ACCIDENTAL	Always wear full fire	prevention gear: hardl S		·····	
Advice for Firefighters SECTION 6 — ACCIDENTAL Personal precautions, protective ec	Always wear full fire	: prevention gear: hardl <mark>S</mark> procedures		·····	
Advice for Firefighters	Always wear full fire RELEASE MEASURE Juipment and emergency	prevention gear: hard S procedures ventilation		·····	

	No coocific roquiromont
Methods and material for containment a	No specific requirement nd cleaning up
Containment/Clean-up Measures	Soak up with inert absorbent such as sand, earth or vermiculite and put in closed container for prompt disposal.
SECTION 7 — HANDLING AND S	· · · · · · · · · · · · · · · · · · ·
Precautions to be taken in Handling and	
Handling	Keep container closed to avoid dry out.
Conditions for safe storage, including an	1
Storage	Store in tightly closed containers in a dry, cool and well-ventilated place. Keep away from sources of heat, sparks
Specific End Use	and flame.
Specific Life OSC	Not indicated.
SECTION 8 — EXPOSURE CONT	ROLS/PERSONAL PROTECTION
Control Parameters	
PNOS	TLV-TWA _{ACGIH} = No exposure limit value known.
Evene avenue Combral	TLV-TWA _{ACGIH} = No exposure limit value known.
Exposure Control	Adaqueta vantilation avitame se paadad ta control concentrations of airborna contaminates below applicable
Engineering Measures/Controls	Adequate ventilation systems as needed to control concentrations of airborne contaminates below applicable exposure limit values
Personal Protective Equipment Pictograms	
Respiratory Protection	No special respiratory requirements — unlikely route of exposure. In case of exceeding recommended exposure limits in workplace, use of a Class NIOSH N95 respirator. Follow the OSHA respirator regulations found in 29 CFR 1910.134.
Eye Protection	Chemical resistant safety glasses or goggles as a minimum.
Skin Protection	Rubber gloves should be worn to prevent excessive or repeated skin contact.
Other Clothing & Equipment	Work clothing or coveralls to minimize skin contact. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after
General Industrial Hygiene Considerations	handling and before eating, drinking, or using tobacco. Do not eat, drink or smoke during use. Keep away from food and feedstuffs. Do not breathe dust. Avoid creating dust.
Ventilation	Maintain positive ventilation.
Environmental Exposure Controls	Follow best practice for site management and disposal of waste.
SECTION 9 — PHYSICAL AND C	
Information on Physical and Chemical P	
Appearance: Smell:	Blue or clear liquid slight sweet odor
Odor threshold:	not available
pH:	not available
Melting point / freezing point:	not available
Initial boiling point and boiling range:	212°F/100°C
Flash point:	noncombustible
Evaporation rate:	not available
Flammability (solid, gas): Upper / lower flammability or explosive limits:	not available
Vapor pressure:	not available
Vapor density:	
Relative density:	1.0 g/cm ³
Solubility:	soluble in water
Partition coefficient n-octanol/water:	not available
Auto-ignition temperature:	not applicable
Decomposition temperature:	not available
Viscosity:	not applicable
Explosive properties: Oxidising properties:	not applicable not applicable
SECTION 10 — STABILITY AND	
Reactivity	Small amounts of hydrogen chloride.
Chemical stability	The product is stable under normal conditions of use and storage.
Possiblity of hazardous reactions	Refer to Reactivity
Conditions to avoid	Not known
Incompatible materials	Not known
Hazardous decomposition products	Refer to Reactivity
TSCA Listing	All ingredients are on the TSCA inventory, or exempt.
SECTION 11 — TOXICOLOGY IN	FORMATION
Information on toxicological effects	No toxicological effects acute and / or chronic known as a result of exposure to the product. Contact with eyes may cause mechanical irritation. The frequent and prolonged contact with skin may cause irritation and defatting.
SECTION 12 - ECOLOGICAL INFORMATION	
Toxicity	No effect eco-toxicological acute and / or chronic known as a result of exposure to the product.
Persistence and degradability	Information not available.

Bioaccumulative potential	Information not available.	
Mobility in Soil	Information not available.	
Other adverse effects	Information not available.	
Other Information	Information not available.	
SECTION 13 - DISPOSAL CONSIDERATIONS		
Waste treatment methods	Not an RCRA Hazardous waste. Dispose of in accordance with applicable federal, state and local regulations. Thes provisions shall also apply to contaminated containers. It is therefore recommended to make contact with the authorities in charge or approved specialist companies that can give you guidance on how to prepare for disposal. Appropriate disposal could be combustion, recycling, disposal site.	
SECTION 14 - TRANSPORT INFORMATION		
	The product is not classified as dangerous according to the provisions of existing legislation on the transport of dangerous goods by road (ADR) and by Rail (RID), by sea (IMDG Code) and by air (IATA).	
UN Number	Not applicable.	
UN Proper shipping name	Not applicable.	
Transport hazard class(es)	Not applicable.	
Packing group	Not applicable.	
Environmental hazards	Not applicable.	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
SECTION 15 - REGULATORY INFORMATION Safety, health and environmental regulations / legisla	tion snarific for the substance or mixture	
OSHA 29 CFR 1910.1200 HCS - Consolidated Safety OSHA 29 CFR 1910.1200 HCS - Hazardous Waste Op	/ at the workplace	
SECTION 16 — OTHER INFORMA	TION	
Last Revision Date	12/12/2023	
Preparation Date	11/15/2017	
Key literature references and sources for data:	 29 CFR 1910.1200(f) and Appendix C of 29 CFR 1910.1200 (and subsequent amendments and adjustments) OSHA GHS (and subsequent amendments and adjustments) OSHA Hazard Communication Standard (HCS) (and subsequent amendments and adjustments) 1910 Subpart G - Occupational Health and Environmental Control (and subsequent amendments and adjustments) Safety data sheet of the supplier of the product 	
Acronyms:		
ACGIH:	American Conference of Governmental Industrial Hygienists	
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road	
CAS:	Chemical Abstracts Service	
CLP:	Classification, Labeling and Packaging	
EINECS:	European Inventory of Existing Chemical Substances	
GHS:	Globally Harmonized System	
IATA:	International Air Transport Association	
IMDG Code:	International Maritime Code for Dangerous Goods	
OSHA:	Occupational Safety and Health Administration	
РВТ:	Persistent, Bioaccumulative, Toxic	
PEL:	Permissible Exposure Limit	
PNOS:	Particles Not Otherwise Specified	
RCRA:	Resource Conservation and Recovery Act	
REACH:	Registration, Evaluation, Authorization and Restriction of Chemicals	
RID:	Regulation on the Inland transport of Dangerous goods by rail	
TLV:	Threshold Limit Value	
TSCA:		
TWA:	Toxic Substances Control Act	
	Time-Weighted Average	
vPvB; Disclaimer/Statement of Liability	very Persistent, very Bioaccumulative The information contained herein is believed to be accurate. However, it is provided solely for the customer's consideration, investigation and verification. Advanced Ceramics Manufacturing hereby specifically disclaims any and all warranties, express or implied, regarding the accuracy and completeness of such information, and makes no representations with respect thereto.	