

## **SAFETY DATA SHEET**

Product Identifier					
Product Name	AQUACORE™ P	REMIUM			
Product Code	NA				
Relevant identified uses of the substan	ce or mixture and	uses advised against			
Recommended use	Water soluble ma	aterial for forming mold	s and cores.		
Details of the supplier of the safety dat	a sheet				
Manufacturer	Advanced Ceram	ics Manufacturing, LLC.			
	7800 South Noga	ales Highway			
	Tucson, AZ 8575	6			
Felephone (General)	520.547.0850				
Emergency Telephone Number					
	800.554.9964 - I	lazardous Materials Sup	port Center		
	800.424.9300 - 0	CHEMTREC (Spill related	l emergencies)		
SECTION 2 — HAZARD(S) IDEN	TIFICATION				
Jnited States (US)					
according to OSHA 29 CFR 1910.1200 HCS					
Classification of the substance or mixtu					
OSHA HCS 2012	AquaCore™ Premium has no known hazardous properties.				
	Skin Irritation 2 - H315 The formula is proprietary information and is the property of Advanced Ceramics Manufacturing.				
Label Components		opricial y mornation a			
	The product doe	s not require a danger l	abel.		
Other Dangers	· · · · · · · · · · · · · · · · · · ·				
OSHA HCS 2012	~				
	$\sim$				
	Eye Contact – Di	rect contact may cause	irritation.		
	Skin Contact – D	irect contact may cause	irritation.		
	Inhalation – Whe	n machining in the cure	d state, repeated exposi	ure to dust may cause delayed lung injury.	
	Ingestion – Dir	ect contact may caus	e irritation.		
	Signs & Sympto pulmonary fund	•	rborne Dust – May res	ult in cough, dyspnea, wheezing, or impaire	
SECTION 3 — COMPOSITION/IN	<b>NFORMATION O</b>	N INGREDIENTS			
Chemical Characterization	Mixture (water-se	oluble core material)			
<b>1</b> ixtures	The product doe Regulation n° 12		s classified as dangerous	in accordance to Directive 1967/548/CEE and C	
Materials:	Identifiers	<u>WT%</u>	TLV (mg/m³)	PEL (mg/m³)	
Nater Soluble Binder		1%-30%	NE	NE	
Ceramic Microspheres	66402-68-4	10%-90%	10(I)/3(R)	15(T)/5(R)	
	(T) - Total	(R) - Respirable	(I) - Inhalable	( NE ) - Not Established	
SECTION 4 — FIRST-AID MEAS	URES				
Contact with Eyes	Flush eyes with running water for 15 minutes — lift upper and lower eyelids.				
	Wash skin thoroughly with mild soap and water.				
Contact with Skin	Move the injured person to fresh air. If not breathing, initiate pulmonary resuscitation. Get medical attention.				
Contact with Skin		person to fresh air. If I	not breathing, initiate pul	monary resuscitation. Get medical attention.	
inhalation	Move the injured	-		monary resuscitation. Get medical attention.	
	Move the injured Rinse mouth with	n water. Consult a physi		monary resuscitation. Get medical attention.	
inhalation ingestion	Move the injured Rinse mouth with <b>both acute and de</b>	n water. Consult a physi	cian.	monary resuscitation. Get medical attention.	
inhalation ingestion	Move the injured Rinse mouth with <b>both acute and de</b> Refer to section	n water. Consult a physi <b>layed</b> 11 - Toxicological Inforr	cian.	monary resuscitation. Get medical attention.	
inhalation ngestion <b>Most important symptoms and effects,</b>	Move the injured Rinse mouth with <b>both acute and de</b> Refer to section	n water. Consult a physi layed 11 - Toxicological Inforr Il treatment needed	cian.	monary resuscitation. Get medical attention.	
inhalation ngestion <b>Most important symptoms and effects,</b>	Move the injured Rinse mouth with <b>both acute and de</b> Refer to section <b>tention and specia</b> Refer to section	n water. Consult a physi layed 11 - Toxicological Inforr Il treatment needed	cian.	monary resuscitation. Get medical attention.	
nhalation ingestion Most important symptoms and effects, Indication of any immediate medical at	Move the injured Rinse mouth with <b>both acute and de</b> Refer to section <b>tention and specia</b> Refer to section	n water. Consult a physi layed 11 - Toxicological Inforr Il treatment needed	cian.	monary resuscitation. Get medical attention.	
inhalation ingestion Most important symptoms and effects, Indication of any immediate medical at SECTION 5 — FIRE-FIGHTING I	Move the injured Rinse mouth with <b>both acute and de</b> Refer to section <b>tention and specia</b> Refer to section <b>MEASURES</b>	n water. Consult a physi layed 11 - Toxicological Inforr Il treatment needed 4.	cian.	monary resuscitation. Get medical attention.	

Unusual Fire and Explosion Hazards	The product is not flammable.		
Advice for Firefighters	Always wear full fire prevention gear: hardhat with visor, fireproof clothing, work gloves and a respirator.		
SECTION 6 — ACCIDENTAL R	RELEASE MEASURES		
Personal precautions, protective equ	ipment and emergency procedures		
Personal Precautions	Ensure an adequate ventilation		
Emergency Procedures	Ensure an adequate ventilation		
Environmental Precautions			
	No specific requirement		
Methods and material for containmer			
	Take up by mechanical means and pour it into a container properly labeled. Dispose of in accordance with local an		
Containment/Clean-up Measures	national legislation.		
SECTION 7 — HANDLING ANI	D STORAGE		
Precautions to be taken in Handling a	and Storing		
Handling	Keep container closed to avoid dry out.		
Conditions for safe storage, including	any incompatibilities		
	Store in tightly closed containers in a dry, cool and well-ventilated place. Keep away from sources of heat, sparks		
Storage	and flame.		
Specific End Use			
	Not indicated.		
SECTION 8 — EXPOSURE CO	NTROLS/PERSONAL PROTECTION		
Control Parameters			
PNOS	TLV-TWA <sub>ACGIH</sub> = No exposure limit value known.		
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Exposure Control			
	Adequate ventilation systems as needed to control concentrations of airborne contaminates below applicable		
Engineering Measures/Controls	exposure limit values		
Personal Protective Equipment Pictograms			
Respiratory Protection	Use of a Class NIOSH N95 respirator where dust is generated is recommended. 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.		
General Industrial Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after 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			
Information on Physical and Chemica	al Properties		
Appearance:	white solid		
Smell:	no detectable odor		
Odor threshold:	not available		
pH:	not available		
Melting point / freezing point:	not available		
Initial boiling point and boiling range:	not available		
Flash point: Evaporation rate:	noncombustible not available		
Flammability (solid, gas):	not available		
Upper / lower flammability or explosive limits:	not available		
Vapor pressure:	not available		
Vapor density:	not available		
Relative density:	0.57 g/cc		
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:	not applicable		
Oxidising properties:	not applicable		
SECTION 10 — STABILITY AN			
Reactivity	The product is not reactive under normal conditions of use and storage. When heated to decomposition oxides of sulfur will be released.		
Chemical stability	The product is stable under normal conditions of use and storage.		
Possibility of hazardous reactions	Refer to Reactivity		
Conditions to avoid	Not known		

Hazardous decomposition products TSCA Listing	Not known All ingredients are on the TSCA inventory, or exempt.
SECTION 11 — TOXICOLOGY INI	
nformation on toxicological effects	No toxicological effects acute and / or chronic known as a result of exposure to the product. Contact with eyes m cause mechanical irritation. The frequent and prolonged contact with skin may cause irritation and defatting.
ECTION 12 - ECOLOGICAL INFORMATION	
oxicity	No effect eco-toxicological acute and / or chronic known as a result of exposure to the product.
ersistence and degradability	Information not available.
lioaccumulative potential	Information not available.
Nobility in Soil	Information not available.
Other adverse effects Other Information	Information not available. Information not available.
ECTION 13 - DISPOSAL CONSIDERATIONS	
Vaste treatment methods	Disposal must be made according to national or local law. These 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,
ECTION 14 - TRANSPORT INFORMATION	
	The product is not classified as dangerous according to the provisions of existing legislation on the transport of 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).
JN Number	Not applicable.
JN Proper shipping name	Not applicable.
ransport hazard class(es)	Not applicable.
acking group	Not applicable.
	Not applicable.
pecial precautions for user ransport in bulk according to Annex II of MARPOL	Not applicable.
3/78 and the IBC Code	Not applicable.
ECTION 15 - REGULATORY INFORMATION	
afety, health and environmental regulations / legisla	tion specific for the substance or mixture
OSHA 29 CFR 1910.1200 HCS - Consolidated Safet OSHA 29 CFR 1910.120 HCS - Hazardous Waste Op	
SECTION 16 - OTHER INFORMA	TION
ast Revision Date	12/12/2023
Preparation Date	11/15/2017
	<ul> <li>29 CFR 1910.1200(f) and Appendix C of 29 CFR 1910.1200 (and subsequent amendments and adjustments)</li> <li>OSHA GHS (and subsequent amendments and adjustments)</li> <li>OSHA Hazard Communication Standard (HCS) (and subsequent amendments and adjustments)</li> <li>1910 Subpart G - Occupational Health and Environmental Control (and subsequent amendments and adjustments)</li> <li>Safety data sheet of the supplier of the product</li> </ul>
Acronyms:	
CGIH:	American Conference of Governmental Industrial Hygienists
DR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
AS:	Chemical Abstracts Service
FR:	Code of Federal Regulations
<u> </u>	Classification, Labeling and Packaging
INECS:	European Inventory of Existing Chemical Substances
GHS:	Globally Harmonized System
ICS:	Hazard Communication Standard
АТА:	International Air Transport Association
MDG Code:	International Maritime Code for Dangerous Goods
DSHA:	Occupational Safety and Health Administration
BT:	Persistent, Bioaccumulative, Toxic
	Permissible Exposure Limit
EL:	
NOS:	Particles Not Otherwise Specified
EACH:	Registration, Evaluation, Authorization and Restriction of Chemicals
ID:	Regulation on the Inland transport of Dangerous goods by rail
LV:	Threshold Limit Value
ISCA:	Toxic Substances Control Act
WA:	Time-Weighted Average
/PvB:	very Persistent, very Bioaccumulative
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