



MATERIAL SAFETY DATA SHEET  
**MADE FROM STONE™ Shoal™**  
MULTIFUNCTIONAL ADDITIVE

05/26 REVISION

**MADE FROM STONE™ Shoal™**  
MULTIFUNCTIONAL ADDITIVE

**1. IDENTIFICATION OF THE PRODUCT & THE COMPANY**

Product Name	Shoal
Product Code	ADD1011
Identified use(s)	Process Aid
Uses Advised Against	None
Supplier	Okeanos Group LLC 78 SW 7th Street, Suite 500 Miami, FL 33130 US
Health Emergency	+1 786 598-7001 / Support@MadeFromStone.com
Recommended Use and Restrictions of Use	This material is not intended for use in products for which prolonged contact with mucous membranes or abraded skin, or implantation within the human body is specifically intended, unless the finished product has been tested in accordance with the Food and Drug Administration and/or other applicable safety testing requirements. Because of the wide range of such potential uses, we are not able to recommend this material as safe and effective for such uses and assumes no liability for any such uses.

**2. HAZZARD IDENTIFICATION**

This product is not classified as hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR §1910.1200).

Signal Word, Hazard Statements, Symbols, & Precautionary Statements:

Proprietary Process Aid	Not applicable (N/A)
Hazard Statement(s)	Not applicable (N/A)
Hazard Pictogram(s)	Not applicable (N/A)
Precautionary Statements	Not applicable (N/A)
Hazards Not Otherwise Classified	This product does not present a combustible dust hazard in the form in which it is shipped by the manufacturer but may form a combustible dust through downstream activities (e.g., grinding, pulverizing) that reduce its particle size.

NFPA



HMIS®

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

### 3. COMPOSITION / INFORMATION OF INGREDIENTS

All non-hazardous components according to the Global Harmonized System (GHS) and according to the 2012 OSHA Hazard Communication Standard (29 CFR §1910.1200).

Chemical ingredients	% by Weight	CAS Number
Proprietary process aid	70-90%	9003-070

### 4. FIRST AID MEASURES

Low risk of entry in present form. Use caution when product is heated.

<b>Skin Contact</b>	No known significant effects or critical. Wash immediately with plenty of soap and water. Get medical attention if irritation or rash occurs.
<b>Eye Contact</b>	No known significant effects or critical. In case of contact with eyes, rinse immediately with water for at least 15 minutes. Get medical attention if irritation occurs.
<b>Inhalation</b>	Vapors produced during high temperature processing operations may be harmful if inhaled. Remove to fresh air. If not breathing, give artificial respiration and get immediate medical attention.
<b>Ingestion</b>	No known significant effects or critical. Do not induce vomiting. If patient is conscious and can swallow, give two glasses of water to drink. Do not attempt to give anything orally to an unconscious person. Seek medical attention.

*Notes to Physician: none known*

### 5. FIRE FIGHTING METHODS

<b>Extinguishing Media</b>	Use foam, carbon dioxide (CO <sub>2</sub> ), dry chemical, or water spray to extinguish fire. Avoid using water jet as it may scatter and spread the fire.
<b>Specific Hazards Arising From the Chemical</b>	This product will burn under fire conditions. Burning or thermal decomposition may produce hazardous products, including carbon monoxide, carbon dioxide, and other toxic gases. Spilled pellets may present a slip hazard on floors
<b>Special Protective Equipment and Precautions for Firefighters</b>	Standard protective equipment for fighting chemical fires should be used, including self-contained breathing apparatus (SCBA) and full firefighting turn-out gear (full bunker gear).

Caution: CO<sub>2</sub> used for extinguishing will displace air in confined spaces and may cause an oxygen deficient atmosphere.

Move undamaged containers from the hazard area if it can be done safely. Avoid release to the environment. Water used for extinguishing a fire must be prevented from draining into sewers or being released to the environment.

## 6. ACCIDENTAL RELEASE MEASURES

<p><b>Personal Precautions, Protective Equipment, and Emergency Procedures</b></p>	<p>Avoid personal contact. Wear personal protective equipment (See Section 8: Exposure Controls / Personal Protection). Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Spilled pellets may present a slip hazard on floors.</p> <p>Special precautions must be taken if small particles have been generated from this product by processing, handling, or by other means, which may form combustible dust concentrations in air. Remove all sources of ignition and avoid breathing dust.</p>
<p><b>Environmental Precautions</b></p>	<p>Avoid stirring up dusts. Prevent eye and skin contact and inhalation of dusts by wearing appropriate protective equipment (See Section 8.) Avoid release to the environment. Do not allow substance to enter into surface water or drains. Contaminated water must be retained and disposed of in accordance with all local, regional, national, and international regulations.</p>
<p><b>Methods and Materials for Containment and Cleaning Up</b></p>	<p>Sweep up and collect material into suitable containers for reuse or disposal (see Section 13: Disposal Considerations).</p> <p>Special precautions must be taken if small particles have been generated from this product by processing, handling, or by other means, which may form combustible dust concentrations in air.</p> <p>Remove all sources of ignition. Use explosion-proof equipment for cleanup that has been designed for use with combustible dusts.</p>

## 7. HANDLING AND STORAGE

<p><b>Handling</b></p>	<p>Avoid breathing vapors generated in high temperature processing operations or airborne dust.</p> <p>Avoid contact with eyes and skin. Use only with adequate ventilation. Do not eat, drink, or use tobacco products while working. Avoid release to the environment.</p> <p>Pellets may generate static discharge during handling, which can act as an ignition source for any flammable vapors or dusts that are present. To reduce the potential for static discharge, bond and ground containers when transferring material. When flammable solvents are present, the container must be inerted or otherwise designed to prevent or contain an explosion.</p> <p>Special precautions must be taken if small particles are generated during further processing, handling or by other means, which may form combustible dust concentrations in air. Remove all sources of ignition and avoid breathing dust. Seek expert advice.</p> <p>Processing fume condensates, which may include hazardous decomposition products, may be combustible and should be periodically removed from exhaust hoods, ductwork, and other surfaces. Protective clothing, including impervious gloves, should be worn during cleanup operations to prevent skin contact.</p>
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Storage	Keep container tightly closed in a cool, dry, and well-ventilated place. Avoid exposure to heat or direct sunlight.
Shelf Life	6 months

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL LIMITS	Not applicable (N/A)
APPROPRIATE ENGINEERING CONTROLS	Work in well ventilated areas. The use of local exhaust ventilation is recommended to control air contaminants. Provide mechanical ventilation for confined spaces. Use explosion-proof ventilation equipment. Use mechanical handling to minimize human contact with materials
General Hygiene	Avoid breathing vapors generated in high temperature polymer processing operations or airborne dust. Avoid contact with eyes and skin. Wash thoroughly after handling and before eating, drinking, or using tobacco products
Eye/Face Protection	Wear safety glasses with side shields or safety goggles.
Skin Protection	Wear protective gloves impervious to the conditions of use and protective clothing. Recommended materials for protective gloves include PVC, rubber, and other plastics.
Respiratory Protection	Wear NIOSH-approved respiratory protection if exposure to processing vapors is possible and in non-routine or emergency situations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White pellet
Odor	Odorless
Odor Threshold	No information available
Physical State	Solid
pH value	No information available
Melting Point	160 °C
Boiling Point	No information available
Flash Point	No information available
Evaporation Rate	No information available
Flammability	No information available
Upper Flammability Limit	No information available
Lower Flammability Limit	No information available

Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity	No information available
Solubility in water	No information available
Partition Coefficient ( <i>octanol/water</i> )	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable (N/A)

## 10. STABILITY AND REACTIVITY

Reactivity	There are no known reactivity hazards under normal ambient and anticipated storage and handling conditions.
Chemical Stability	This substance is expected to be stable under normal conditions of storage and handling.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	Electrostatic discharge and ignition sources, formation of small particles by grinding or other means, overheating.
Incompatible With Other Materials	Strong oxidizing agents, strong acids, strong bases.
Hazardous Decomposition Product(S)	Not applicable.
Hazardous Polymerization	Burning or thermal decomposition may produce hazardous products, including carbon monoxide, carbon dioxide, and other toxic gases. Vapors produced during processing operations may contain hazardous decomposition products.

## 11. TOXICOLOGICAL INFORMATION

Signs and symptoms of overexposure, acute and delayed

Eye	No known significant effects or critical hazards.
Skin	No known significant effects or critical hazards.
Inhalation	Vapors produced during high temperature processing operations may be harmful if inhaled.
Ingestion	No known significant effects or critical hazards.
Target Organ Effects	No known significant effects or critical hazards.
Chronic Effects	No known significant effects or critical hazards.

#### Acute toxicity

Oral	ATE mixture > 5,000 mg/kg
Inhalation	No information available
Dermal	No information available
Skin Corrosion/Irritation	Not classified as a skin irritant based on available data for the components and the GHS rules for the classification of mixtures.
Eye Damage/Irritation	Not classified as an eye irritant based on available data for the components and the GHS rules for the classification of mixtures.
Respiratory Sensitization	No information available
Skin Sensitization	No information available
Germ Cell Mutagenicity	Not classifiable due to lack of component data.
Carcinogenicity	Not classifiable due to lack of data. This product contains the following component that is classified by IARC, NTP, OSHA, or ACGIH as to its carcinogenicity: Polypropylene: IARC Group 3 (not classifiable as to its carcinogenicity to humans)
Reproductive Toxicity	Not classifiable due to lack of component data
Target Organ Toxicity	Single Exposure: No information available Repeat/Prolonged Exposure: No information available
Aspirational Hazard	Not applicable (N/A)

## 12. ECOLOGICAL INFORMATION

Ecotoxicity	No information available
Persistence and degradability	No information available
Bioaccumulative potential	No information available
Mobility in soil	No information available
Other adverse effects	No information available

## 13. DISPOSAL CONSIDERATION

Waste Treatment Methods	Recover or recycle if possible. Disposal of product and contaminated packaging should be in accordance with applicable local, regional, national, and international laws and regulations. Local regulations may be more stringent than regional or national requirements.
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## 14. TRANSPORT INFORMATION

UN NUMBER	Not regulated
UN PROPER SHIPPING NAME	Not regulated
TRANSPORT HAZARD CLASS	Not regulated
PACKING GROUP	Not regulated
ENVIRONMENTAL HAZARD(S)	This product is not classified as a Marine Pollutant as defined in 49 CFR §171.8.
TRANSPORT IN BULK	No information available.
COMMENTS	Not classified as a hazardous material by the US Department of Transportation.

## 15. REGULATORY INFORMATION

Inventory status

United States (TSCA)	All ingredients are on the inventory or exempt from listing
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USA federal SARA title III rules

Section 302	No components of this material are subject to the reporting requirements of SARA Title III, Section 302.
Section 313	This material does not contain any component(s) listed on the Section 313 Toxic Chemical List.
Section 311/312 Hazards	None known

USA state regulations

CA	This product contains no component(s) listed under Proposition 65– Chemicals Known to the State to Cause Cancer or Reproductive Toxicity.
MA	This product contains no component(s) listed in the Massachusetts Substance List for Right-to-Know Law.
NJ	This product contains no component(s) listed on the 2010 New Jersey Right to Know Hazardous Substance List.
PA	This product contains no component(s) listed on the Pennsylvania Department of Labor and Industry Hazardous Substance List.

## 16. OTHER INFORMATION

### 16.1. CONTACT INFORMATION

Contact your local representative, or reach us at [support@madefromstone.com](mailto:support@madefromstone.com) if you have any questions, or need additional documentation on this product, or visit [okeanos.global](http://okeanos.global)



## 16.2. LEGAL STATEMENT

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This product is not intended for the use in medical applications and should not be used in any such applications

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