

A Safety Data Sheet is not legally required for this product under the Work Health and Safety Regulations (WHS Regulations). The following information is provided as a courtesy service to our customers.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**1.1 Product identifier**

Trade name: **ACCUCAST® ID**
Registration number: Not applicable
Synonym(s): Ceramic Casting Media; Semi-Crystalline Alumina Silicate; Sintered Bauxite
Preparation/Revision date: 7 September 2018

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Casting media for cores, molds and related applications
Uses advised against: None known

1.3 Details of the supplier of the safety data sheetManufacturer / Supplier

Company name: CARBO Ceramics Inc.
Address: 575 N. Dairy Ashford Road, Suite 300
Houston, Texas 77079, USA
Customer service: +1-337-367-6151

1.4 Emergency telephone number N/A (non-hazardous product)

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

The article has been assessed and /or tested for its physical, health and environmental hazards and the following classifications apply.

Classification according to the WHS Regulations

Classification: Not classified

2.2 Label elements

Contains: None
Hazard pictogram: None
Signal word: None
Hazard statement: None

ACCUCAST ID

Preparation Date: 7 September 2018

Precautionary statements:

- Prevention: None
- Response: None
- Storage: None
- Disposal: None

Supplemental label information: None

2.3 Other hazards None**Hazard summary**

Physical hazards: Not classified for physical hazards.

Health hazards: While the use of this product as intended generally does not create respirable dusts, small amounts may form from transport or conveyance. Prolonged inhalation of insoluble, respirable (less than 10 micron) dusts can lead to pulmonary damage. Use standard hygienic practices to minimize exposure to dusts that may form.

Environmental hazards: Not classified for hazards to the environment.

Main symptoms: Exposure to dust may cause irritation of eyes, nose, throat and mucous membranes. Prolonged contact with skin may cause irritation. Use of the product as intended does not result in exposure to dust.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Article**

Chemical Name	Percent	CAS No.	Notes
Ceramic materials and wares, chemicals	95 - 100	95 - 100	95 - 100

Composition comments: All concentrations are in percent by weight unless ingredients are a gas. Gas concentrations are in percent by volume.

SECTION 4: FIRST AID MEASURES**General Information**

Show this Safety Data Sheet to the medical professional in attendance. Exposure is not anticipated with use of this product as intended. If symptoms occur, follow first aid measures as appropriate.

4.1 Description of first aid measures

Inhalation: Remove to fresh air. Get medical attention if irritation or symptoms persist.

Skin contact:	Wash with soap and water. Get medical attention if irritation develops or persists.
Eye contact:	Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes. Get medical attention if irritation or symptoms persist.
Ingestion:	Rinse mouth. Do not induce vomiting. Get medical attention.
Notes to Physician:	None specified

4.2 Most important symptoms and effects, both acute and delayed

Exposure to dust may cause irritation of eyes, nose, throat and mucous membranes. Prolonged contact with skin may cause irritation. Use of the product as intended does not result in exposure to dust.

4.3 Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptoms as needed.

SECTION 5: FIRE FIGHTING MEASURES**General fire hazards**

This product is not flammable.

5.1 Extinguishing Media

Suitable extinguishing media:	Not applicable
Unsuitable extinguishing media:	Not applicable

5.2 Special hazards arising from the substance or mixture

Not applicable

5.3 Advice for firefighters

Special protective equipment for firefighters:	Not applicable
Special firefighting procedures:	Not applicable
Special remarks on fire hazards:	None
Hazchem code:	Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel:	Avoid dust formation. Wear suitable protective clothing. Avoid contact with skin and eyes.
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For emergency responders: Use personal protection recommended in Section 8 of the SDS.

6.2 Environmental Precautions None known

6.3 Methods and materials for containing and cleaning up Sweep up spilled substance and remove to safe place. Pick up and arrange for disposal without creating dust. Spilled material can reduce traction and may present a slip hazard. Collect and dispose of spillage as indicated in Section 13.

6.4 Reference to other Sections: For personal protection, see Section 8.
For waste disposal, see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling Avoid dust formation. Avoid breathing dust. Observe good industrial hygiene practices. Spilled material can reduce traction and may present a slip hazard.

7.2 Conditions for safe storage, including any incompatibilities Keep container tightly closed. Store in accordance with local, regional, national and international regulations.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Australia. Exposure Limits

Component	CAS No.	Type	Value	Form
Ceramic materials and wares, chemicals	66402-68-4	N/A	N/A	N/A

Consult local authorities for acceptable exposure limits.

8.2 Exposure Controls

Appropriate engineering controls: Observe occupational exposure limits and prevent generation of dusts.

Individual Protective Measures

General Information: Personal protective equipment should be chosen according to applicable standards and in consultation with the supplier of the personal protective equipment. Spilled material can reduce traction and may present a slip hazard.

Eye/face protection:	Wear safety glasses with side shields or goggles. Avoid wearing contact lenses while handling.
Skin protection:	
- Hand protection:	Wear protective gloves.
- Other:	Minimize skin contact.
Respiratory protection:	In case of inadequate ventilation or risk of inhalation of dust, use a suitable air purifying respirator with particle filter or dust mask (Type P2).
Thermal hazards:	Not applicable
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls:	Environmental manager must be informed of all major releases.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Solid spheres	Explosive properties	Not applicable
Color	Brown to dark green to black	Explosive limit	Not applicable
Odor	Odorless	Vapor pressure	Not applicable
Odor threshold	Not applicable	Vapor density	Not applicable
pH	Not applicable	Evaporation rate	Not applicable
Melting/freezing point	4,000°F / 2,204°C (Estimated)	Relative density	3.2 (water = 1)
Boiling point, initial boiling point and boiling range	Not applicable	Partition coefficient (n-octanol/water)	No data available
Flash point	Not applicable	Solubility (water)	Insoluble in water
Auto-ignition temperature	Not applicable	Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable	Bulk density	113 lb/ft ³ (1.81 g/cm ³)
Flammability limit-lower%	Not applicable	Viscosity	Not applicable
Flammability limit-upper%	Not applicable	VOC (weight %)	0 %
Oxidizing properties	Not applicable	Percent volatile	Not applicable

9.2 Other Information

No relevant additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2 Chemical stability	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions	Hazardous polymerization does not occur under normal conditions.
10.4 Conditions to avoid	Not specified
10.5 Incompatible materials	Strong oxidizers
10.6 Hazardous decompositions products	Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION**General information on likely routes of exposure**

Ingestion:	May cause discomfort if swallowed.
Inhalation:	Inhalation of dust may cause respiratory irritation. Use of this product as intended does not result in exposure to dust.
Skin contact:	Dust may irritate skin. Use of this product as intended does not result in exposure to dust.
Eye contact:	Dust may irritate eyes. Use of this product as intended does not result in exposure to dust.
Symptoms:	Exposure to dust may cause irritation of eyes, nose, throat and mucous membranes. Prolonged contact with skin may cause irritation. Use of the product as intended does not result in exposure to dust.

11.1 Information on toxicological effects

Acute Toxicity:	No data were identified for this product.
Serious Eye Damage/Irritation:	No data were identified for this product.
Skin corrosion/Irritation:	No data were identified for this product.
Respiratory/Skin Sensitization:	No data were identified for this product.
Germ Cell Mutagenicity:	No data were identified for this product.
Carcinogenicity:	No data were identified for this product.
Reproductive Toxicity:	No data were identified for this product.
Developmental Effects:	No data were identified for this product.

ACCUCAST ID

Preparation Date: 7 September 2018

STOT – Single Exposure:	No data were identified for this product.
STOT – Repeated Exposure:	While the use of this product as intended generally does not create respirable dusts, small amounts may form from transport or conveyance. Prolonged inhalation of insoluble, respirable (less than 10 micron) dusts can lead to pulmonary damage. Use standard hygienic practices to minimize exposure to dusts that may form.
Aspiration Hazard:	Not relevant based on physical form of the product.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity / Aquatic ecotoxicity	No data were identified for this product.
12.2 Persistence and degradability	Product is not biodegradable with low solubility in water and is not expected to decompose in the environment.
12.3 Bioaccumulative potential	Product is not biodegradable with low solubility in water and is not expected to accumulate in the environment.
12.4 Mobility	No data available
12.5 Results of PBT and vPvB assessment	Not a PBT or vPvB material
12.6 Other adverse effects	This product is not classified as hazardous to the environment.
Conclusion/Summary	Ecotoxicity data from comparable products indicates that this product is non-toxic in the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Residual waste:	Dispose of in accordance with all applicable regulations.
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Disposal methods/information:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local, regional, national, international regulations.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number	Not applicable, not regulated as hazardous for transport.
14.2 UN proper shipping name	Not applicable, not regulated as hazardous for transport.
14.3 Transport hazard class(es)	Not applicable, not regulated as hazardous for transport.
14.4 Packing group	Not applicable, not regulated as hazardous for transport.
14.5 Environmental hazards	Not applicable, not regulated as hazardous for transport.
14.6 Special precautions for user	Not applicable, not regulated as hazardous for transport.
14.7 Transport in bulk according to Annex II MARPOL73/78 and the IBC Code	Not applicable, not regulated as hazardous for transport.
Hazchem or Emergency Action Code	Not applicable, not regulated as hazardous for transport.

The transport regulation may vary based on the country of use. Check for the appropriate regulations in the country of transport or usage of this product.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****International Agreements**

Montreal Protocol (Ozone depleting substances):	Not listed
The Stockholm Convention (Persistent Organic Pollutants):	Not listed
The Rotterdam Convention (Prior Informed Consent):	Not listed
Basel Convention (Hazardous Waste):	Not listed
International Convention for the Prevention of Pollution from Ships (MARPOL):	Not listed

Australia Safety, Health and Environmental Regulations

Australian Inventory of Chemical Substances (AICS)	Compliant
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SECTION 16: OTHER INFORMATION**Label Requirements**

None

List of abbreviations

CAS	Chemical Abstract Service
EC50/90	Effective Concentration (median / 90 th percentile)
LC50/90	Lethal Concentration (median / 90 th percentile)
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and Very Bioaccumulative
WHS Regulations	Work Health and Safety Regulations (Australia)

References

ChemAdvisor List of Lists (LOLI)
IARC Monographs. Overall Evaluation of Carcinogenicity
IUCLID DATA Set

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. For details refer to Sections 9, 11 and 12.

**Full test of any statements
H-phrases under Section 2 to 12**

None

Training information

Follow training instructions when handling this material.

SDS Revisions

SDS prepared on 7 September 2018.

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.