ADAE PTY LTD TRADING AS
Dana-Ridge
A.B.N. 93 109 483 007

12/67 Bancroft Road Pinkenba QLD 4008
Phone +61 3860 4913 Australia Toll-free 1800 806 316

SAFETY DATA SHEET – GLASS BEAD

Product Name:

GLASS BEAD

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Other means of identification : Ballotini Impact Beads

Synonyms Soda-lime glass oxide

Recommended use : Abrasive blasting

Manufacturer : Potters Industries, Inc.
P. O. Box 840
Valley Forge, PA 19482 USA Phone number: 610-651-4200

Supplier : Dana-Ridge
12/67 Bancroft Road Pinkenba QLD 4008
Australia Phone number 1800-806-316

Emergency telephone number : Supplier 07-3860-4913
Emergency Services 000

Issuing date : 04.10.2022

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

SECTION 2: HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)].
However, caution must still be taken in handling and storage for health and safety.

Storage Statement(s):
P403+P223 Store in a well ventilated area. Keep containers fully closed. P405 Store locked up.

Disposal Statement(s):

P501 Dispose of contents/containers in accordance with relevant regulations.

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SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS NO.	% WT	% VOL
: Na2SiO3 / Na2O / CaO (Glass Oxide	65997-17-3	100	100

SECTION 4: FIRST AID MEASURES

EYES: In the event that this material comes into contact with the eyes it may have an immediate or delayed irritating effect resulting in redness, watering and/ or infection.
Eyes should be immediately and thoroughly flushed with lukewarm water for as long as necessary to alleviate the problem (or for at least 15 minutes). Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Removal of contact lenses after an eye injury should only be conducted. Professional medical assistance should be sought if symptoms persist.

SKIN: Skin contact with this product and/or their dusts may lead to immediate or delayed skin irritations and in susceptible people skin sensitisation, dermatitis and/or skin infection.
The affected areas should be washed thoroughly with mild soap and lukewarm water as quickly as possible.

INGESTION: Non-toxic however swallowing this product may cause immediate or delayed abdominal discomfort and potentially increase the risk of gastro-intestinal infections.
The patient should be given water to drink and medical attention should be sought if any abdominal symptoms occur. Vomiting should not be induced, but if vomiting occurs, the patient should be leant forward or placed on their left-hand side to maintain an open airway.

INHALATION: Inhalation of dust from this product may have an immediate or delayed effect to irritate, inflame or sensitise the nose, throat and lungs, and exacerbate pre-existing conditions such as asthma and bronchitis. Children, pregnant women, the elderly, people with pre-existing conditions or the immunocompromised, may be at a particular risk from these illnesses if exposed to this product. If an irritation occurs, the affected parties should be moved (or move themselves) away from the product or its dusts into a source of fresh air. Prostheses such as false teeth, which may block the airways, should be removed where possible prior to initiating first aid procedures. Professional medical attention should be sought if symptoms persist.

SECTION 5 FIRE FIGHTING MEASURES

FLAMMABILITY	Not flammable
FLASH POINT	Not applicable
AUTOIGNITION TEMPERATURE	Not applicable

EXTINGUISHING MEDIA:

SPECIAL FIRE FIGHTING PROCEDURES	None. Prevent contamination of drains and waterways.
UNUSUAL FIRE AND EXPLOSION HAZARDS	None
HAZARDOUS DECOMPOSITION PRODUCTS	None

HAZCHEM CODE: **None allocated.**

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures

In the event of a spill or release of the product from a transport vehicle or storage area in a sensitive environment including near water bodies:
Advise the applicable state-based roads authority
Advise the applicable stated based environment body

Methods and Materials for Containment and Clean Up Procedures

In the event of a spill or release of the product from a transport vehicle or storage area where bunding does not exist in order to contain and clean up:
Secure the site by:

- Covering the material with a sheet/ tarpaulin secured to the ground in order to protect against dust emissions and gravitational flows into waterways.
- Bunding the area and cover drains to protect against over-ground run-off in waterways, surrounding land and drainage systems.
- Clean up the spill immediately once the site is secured. Avoid generating dust.
- Collect the material (using a vacuum system if required), load, transport and store all of the material released for use as planned or dispose of safely in a landfill or licensed recovery facility.
- Check the surrounding area to ensure all material has been captured. Collect all material if possible or seek advice from the stated based environment body.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

This product is abrasive. When handling this material ensure that workers stay away from equipment that is moving and/ or processing exposed material and avoid coming into contact with the product by wearing:

- A suitable respiratory protective device conforming to AS/NZS 1715: 2009– Selection, use and maintenance of respiratory protective devices. A Class P1 Particulate Respirator is typically most appropriate.
- Suitable gloves conforming with AS/ NZS 2161: 2008 – Occupational protective gloves. Standard duty leather/pigskin, rubber or neoprene gloves are typically most appropriate.
- Full length protective trousers and shirts (or overalls).
- Suitable boots for the site.
- Suitable eye protection conforming with AS/ NZS 1336: 1997 – Recommended practices for occupational eye protection. Low impact goggles with indirect ventilation (HT or CT with C, D optional) are typically most appropriate.

Additional handling procedures should include:

- Limit exposure to the product.
- Wash any areas of the body that the product may have come into contact after exposure.
- Regularly vacuum enclosed areas where the product is used or install a dust extraction system.
- When handling this material ensure the environment is protected from releases by not moving the material during adverse weather conditions such as wind and precipitation, bunding the handling area and providing wind breaks.
- As with all dust materials, ensure adequate ventilation against the relevant exposure standards

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(Section 8) and also to prevent dust explosions.
- Shower and change after completion of blasting.
- Wash hands and face after handling and blasting.

Conditions for Safe Storage

When storing this material:
Store in closed, well-ventilated containers to prevent dust exposure

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No specific exposure standards have been allocated. However due to the dust in the product, concentrations for monitoring exposure are provided by a number of standards as listed below:

Total Inhalable Dust
10mg/m³ (National Occupational Health & Safety Commission, 2004).

Total Respirable Dust
2mg/m³ (American Conference of Governmental Occupational Hygienists, 1986).

Biological Limit Values:
No biological limit allocated
Engineering Controls:
Ensure all blast cleaning equipment complies with regulatory regulations and safety standards and are functioning adequately.
Ensure the area for workers are adequately ventilated below exposure standards. Personal Protection Equipment:
Abrasive blast helmet airline respirator with protective lens (AS/NZS 1716:2003).
Heavy duty protective suit, gloves (AS/NZS 2161:2008) and foot wear (AS/NZS 2210.5:2009).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	White clear spherical solid granules
Colour:	White
Odour:	Odourless
Particle size:	44µm-5mm
Solubility:	Insoluble in water
Specific Gravity:	1518
Vapour Pressure (20 °C):	Not known
Flash Point (°C):	Not applicable
Flammability Limits (%):	Not applicable
Autoignition Temperature (°C):	Not applicable

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Melting Point/Range (°C):	Softens above 600°C
Decomposition Point (°C):	Not applicable
pH:	Neutral 7-9

SECTION 10: STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Possibility of hazardous reactions:	None known.
Hazardous decomposition products:	Does not decompose into hazardous products
Conditions to avoid:	None identified
Incompatible materials:	Strong bases may dissolve beads

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Low toxicity. Under normal conditions of use adverse health effects are not anticipated. Use safe work practices to avoid eye contact, prolonged skin contact and dust generation leading to inhalation risk.

Eye	In the event that any dose of this material or the dust comes into contact with the eyes it may have an immediate or delayed irritating effect resulting in redness and watering or an infection. **It is not recommended to repeatedly allow this material to come into contact with the eyes.**
Inhalation	Inhalation of large amounts of dust from this product may have an immediate or delayed effect to irritate, inflame or sensitise the nose, throat and lungs, and exacerbate pre-existing conditions such as asthma and bronchitis. **It is not recommended for people to repeatedly inhale this material**
Ingestion	Ingestion is unlikely through normal use. However, swallowing any amount of this product may cause immediate or delayed abdominal discomfort due to abrasion. **It is not recommended to repeatedly swallow this material.**
Skin	Any level of skin contact with this product and/or their dusts may lead to immediate or delayed skin irritations and in susceptible people with sensitive skin, dermatitis or skin infection. **It is not recommended for people susceptible to skin irritations to repeatedly allow this material to come into contact with the skin.**
Chronic Health Effects	The repeated inhalation of dust from these products may lead to respiratory irritation, inflammation or sensitisation and illnesses such as asthma and bronchitis. Children, pregnant women, the elderly, people with pre-existing conditions or the immuno-compromised, may be at a particular risk from these illnesses if exposed to this product. Contact with this product outside of intended use in not recommended.

SECTION 12: ECOLOGICAL INFORMATION

This product is not anticipated to cause adverse effect to animal or plant life if released to the environment in small quantities. Not expected to bioaccumulate.

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal method	If possible, accumulated dust should be removed using wet cleaning methods, or High Efficiency Particulate Air (HEPA) filter vacuum methods. Suitable landfill or facility with an approval to reuse this material
Legislation	Dispose of in accordance with relevant local legislation

SECTION 14: TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Shipping Name	**None allocated**
UN No.	**None allocated**
DG Class	**None allocated**
Packing Group	**None allocated**
Hazchem Code	**None allocated**
Subsidiary Risk(s)	**None allocated**
Other special storage or transport information	**Transport in a covered container and avoid exposure to wind to prevent dust released into surroundings**

SECTION 15 REGULATORY INFORMATION

Poisons Schedule	A Poison Schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)

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SECTION 16: OTHER INFORMATION

RESPIRATORS – In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment is used it must be appropriate and training in its use must be carried out. Long periods of use of respirators can cause discomfort and consideration should be given to this effect.

ABBREVIATIONS:

SWA Safe Work Australia TWA Time Weighted Average
mg/m3 milligrams per cubic metre
pH hydrogen ion concentration (pH=1 means highly acidic; pH=14 means highly alkaline)

Issuing date	**:**	**04.10.22**
version	**:**	**2.0**
Prepared by		**Dana-Ridge**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.