

Safety Data Sheet



1. Identification of the Substance/Mixture and the Supplier

Supplier : National Institute of Advanced Industrial Science and Technology (AIST)
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Reference No : 7532001

Identity of Substance/Mixture : Certified Reference Material NMIJ CRM 7532-a
Arsenic Compounds and Trace Elements in Brown Rice Flour
Recommended Use of the Chemical and Restriction on Use : This reference material can be used for in controlling the precision of analysis, or confirming the validity of analytical methods or instruments during the analysis of arsenic compounds and trace elements in rice and other grains. Do not use this reference material for other purposes than testing/research.

2. Hazards Identification

GHS Classification : Unclassifiable
GHS Label Element: -
Signal word : -
Hazard and toxicity: -
Other hazard and toxicity : In case of inhalation of powder or dust in large quantity, its accumulation in respiration organs may cause health hazards.
Precautionary statement : [Safety Precaution]
Low risk in ordinary operations.
[First-Aid Measures]
When powder or dust is inhaled in large quantity, check with a respiratory disease specialist.
In case of eye contact, wash eyes with plenty of clean water and seek medical attention if necessary.
[Storage]
Store the sample in a clean place at room temperature protecting from sun light.
[Disposal]
The content or the container should be incinerated in an appropriate incinerator, or outsourced to a professional industrial waste disposal

contractor licensed by the prefectural governor.
Hazardous and toxic properties not specified in the above are neither the object of the classification nor classifiable.

3. Composition/Information on Ingredients

Single or compound : Single product
product
Chemical name : Brown rice
Synonym : -
Chemical formula : -
Molecular weight : -
CAS number : -
Content : Over 99 %
Reference Number in : Act on the Evaluation of Chemical Substances and Regulation
Gazetted List in Japan of Their Manufacture, etc. :-
Industrial Safety and Health Act :-

Except this CRM contains ingredients shown below;
Mg, Ca, Mn, Fe, Cu, Zn, As, Cd.

4. First-aid Measures

Eye contact : Wash eyes with plenty of clean water. Seek medical attention.
Skin contact : Wash the skin with plenty of clean water.
Inhalation : Remove the exposed person to fresh air. Keep them steady and warm. Provide them medical attention.
Ingestion : Rinse the mouth well with water. Contact a physician.
Estimated acute : -
and late symptom
Protection of : Use personal protective equipment.
first-aiders

5. Fire-fighting Measures

Extinguishing media : Fire extinguishing media corresponding to the fire in the periphery area.
Specific hazards at the : None
time of fire
Specific extinguishing : Remove combustion sources away from the seat of the fire and
measures extinguish with fire extinguishing agent. If possible, promptly transfer the container to safe area. If unable to transfer, cool down the periphery with water spray.
Protecting fire-fighting : Use protective equipment such as fire-resistant clothing,
personnel heat-resistant protective clothing, protective clothing, air-breathing apparatus, closed-circuit self-contained oxygen breathing apparatus, rubber gloves, rubber boots, etc.

6. Accidental Release Measures

- Personal Precaution : Immediately remove potential ignition sources from surrounding areas. Make fire-extinguishing tools available to prepare for fire ignition.
- Personal Protective Equipment and Emergency Procedures : Ventilate the affected area thoroughly until the clean-up operation is completed when accidental release takes place indoor. Use appropriate personal protective equipment during the operation to avoid skin contact of splash etc. and inhalation of dust and gas.
- Environmental Precautions : —
- Recovery and Neutralization : —
- Secondary Disaster Prevention Measures : Surround the area by a rope, etc., to prevent unauthorized people from entering it. Work from the windward side and evacuate people to the windward side.

7. Handling and Storage

Handling

- Technical measures : None.
- Local ventilation and general ventilation : In case steam or mist is generated, seal the source and provide local exhaust ventilation.
- Precautions for safe handling : Avoid rough handling such as dropping, shocking, dragging, or otherwise agitating the container.
 Seal the container after use.
 Wash hands, face, and other necessary parts thoroughly, and gargle after handling.
 Do not eat, drink, or smoke in places other than the designated areas.
 Do not bring gloves and other contaminated protective equipment into the break area.
 Only authorized people are allowed in the handling area.
 Wear appropriate protective equipment to prevent inhalation, or contact with eyes, skin, or clothing.
 When handling indoors, provide local exhaust ventilation.

Storage

- Appropriate storage conditions : Store the sample in a clean place at room temperature protecting from sun light.
- Safe packaging materials : Glass

8. Exposure Controls/Personal Protection

Considerations for safety management

Not established

Administration level

Not established

Occupational exposure limit

- ACGIH TLV-TWA : Not established
- Japan Society for Occupational : Not established

Health Recommended Reference

- OSHA PEL TWA : Not established

Facility engineering

Ventilation, exhaust : Local exhaust ventilation or a whole exhaust system.

Safety management,
gas detection : -

Storage precaution : Seal.

Protective equipment

Respiratory organ : Dust protective mask

Hand : Protective gloves

Eye : Safety goggle

Skin and body : Protective clothes

9. Physical and Chemical Properties

- Appearance, etc. : Powder
- Color : Light brown
- Odor : No data
- pH : No data
- Melting point : No data
- Boiling point : No data
- Flashing point : No data
- Explosive range : No data
- Vapor pressure : No data
- Relative vapor density(Air=1) : No data
- Specific gravity or bulk
specific gravity : No data
- Solubility : Possibly soluble in water
- *n*-Octanol/water partition
coefficient (Log Po/w) : No data
- Auto-ignition temperature : No data

10. Stability and Reactivity

◇Stability

- Stable under normal condition

◇Reactivity

- No data available

◇Conditions to avoid

- Sunlight, humidity

◇Hazardous decomposition products

- No data available

11. Toxicological Information

Skin corrosivity/irritation :None
Severe damage to eyes/ eye irritation :Irritation possible
Respiration organ sensitivity :If inhaled in a large amount, the accumulation in respiratory organ causes impairment.

12. Ecological Information

Degradability, concentration
•No data available
Bioaccumulation
•No data available
Ecotoxicity
•No data available

13. Disposal Considerations

•Outsource to a professional industrial waste disposal contractor licensed by the prefectural governor.

14. Transport Information

UN No. : Not applicable
UN classification : Not applicable
Material name : -
Container grade : -
ICAO/IATA : -
Marine pollutant : Not applicable
Precautions : Transfer carefully avoiding direct sunlight and prevent the container from dropping, overturning, etc.

15. Regulatory Information

•No applicable laws and regulations

© The information in this document is not intended to be exhaustive and is based on currently available information and data. The measures given in this document are applicable only to normal handling conditions. When handling this reference material under special conditions etc., it is recommended to take safety measures appropriate to each specific application and context of use. This document is intended to provide information and not intended to guarantee anything in handling this reference material.

16. Other Information

Others

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