1. Identification

Product identifier used on the label

Sorbead Air R 2050 Also KCTrockenperlenN/SorbeadR 2050

Recommended use of the chemical and restriction on use
Recommended use*: Desiccant; adsorbent

* The “Recommended use” identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification
Chemical family: adsorbent

2. Hazards Identification


Classification of the product

No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria.
Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.


**Emergency overview**

CAUTION:
Avoid inhalation.
Prolonged and repeated exposure of dust may cause lung damage.
Contact with powders or dusts may irritate the eyes, skin and respiratory tract.

3. Composition / Information on Ingredients


This product does not contain any components classified as hazardous under the referenced regulation.


The product contains:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1327-36-2</td>
<td>100.0 %</td>
<td>Aluminatesilicate</td>
</tr>
</tbody>
</table>

4. First-Aid Measures

**Description of first aid measures**

**General advice:**
Remove contaminated clothing.

**If inhaled:**
If breathing difficulties develop, aid in breathing and seek immediate medical attention.

**If on skin:**
Wash thoroughly with soap and water. If symptoms persist, seek medical advice.

**If in eyes:**
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

**If swallowed:**
No hazards anticipated. If large quantities are ingested, seek medical advice.

**Most important symptoms and effects, both acute and delayed**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**Indication of any immediate medical attention and special treatment needed**
5. Fire-Fighting Measures

Extinguishing media
Additional information:
Use extinguishing measures to suit surroundings.

Special hazards arising from the substance or mixture
Hazards during fire-fighting:
toxic vapours
No particular hazards known.

Advice for fire-fighters
Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Impact Sensitivity:
Remarks: Based on the chemical structure there is no shock-sensitivity.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Do not breathe dust. Avoid contact with the skin, eyes and clothing. Use personal protective clothing. Information regarding personal protective measures see, section 8.

Environmental precautions
Discharge into the environment must be avoided.

Methods and material for containment and cleaning up
Contain spillage. Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal. Avoid raising dust.

7. Handling and Storage

Precautions for safe handling
Avoid dust formation.

Conditions for safe storage, including any incompatibilities
Suitable materials for containers: carbon steel (iron), Low density polyethylene (LDPE), High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed. Keep in a cool place.
8. Exposure Controls/Personal Protection

Advice on system design:
Provide local exhaust ventilation to control dust.

Personal protective equipment

Respiratory protection:
Breathing protection if dusts are formed. Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection:
Chemical resistant protective gloves

Eye protection:
Safety glasses with side-shields.

Body protection:
Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:
Avoid contact with the skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or use tobacco while working.

9. Physical and Chemical Properties

Form: beads
Odour: odourless
Colour: light brown to brown
pH value: 4
Melting point: not determined
Boiling point: not relevant
Flash point: Non-flammable.
Flammability: not flammable
Lower explosion limit: not applicable
Upper explosion limit: not applicable
Vapour pressure: not applicable
Bulk density: 400 - 900 kg/m3
Vapour density: not applicable
Partitioning coefficient n-octanol/water (log Pow): not applicable
Self-ignition temperature: not self-igniting
Self-ignition: not self-igniting
Thermal decomposition: No decomposition if correctly stored and handled.
Viscosity, dynamic: not applicable, the product is a solid
Solubility in water: not soluble
Evaporation rate: not applicable

10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:
No corrosive effect on metal.

Oxidizing properties:
Based on its structural properties the product is not classified as oxidizing. (other)
Formation of flammable gases: Remarks: Forms no flammable gases in the presence of water.

**Chemical stability**
The product is chemically stable.

**Possibility of hazardous reactions**
The product is chemically stable.
No hazardous reactions known.

**Conditions to avoid**
Avoid dust formation. Avoid humidity.

**Incompatible materials**
water

**Hazardous decomposition products**
Decomposition products:
No hazardous decomposition products known.

Thermal decomposition:
No decomposition if correctly stored and handled.

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### 11. Toxicological information

**Primary routes of exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Acute Toxicity/Effects**

**Acute toxicity**
Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

*Information on: Aluminatesilicate*

**Assessment of acute toxicity:**
*Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.*

**Oral**
Type of value: LD50
Species: rat (female)
Value: > 2,000 mg/kg (OECD Guideline 423)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Inhalation
Type of value: LC50
Species: rat (male/female)
Value: > 2.07 mg/l (other)
Exposure time: 4 h
An aerosol was tested.
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Dermal
Type of value: LD50
Species: rabbit
Value: > 5,000 mg/kg (other)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment other acute effects
Assessment of STOT single:
Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion
Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Skin
Species: rabbit
Result: non-irritant
Method: OECD Guideline 404
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Eye
Species: rabbit
Result: non-irritant
Method: OECD Guideline 405
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Sensitization
Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Mouse Local Lymph Node Assay (LLNA)
Species: mouse
Result: Non-sensitizing.
Method: OECD Guideline 429
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aspiration Hazard
not applicable

Chronic Toxicity/Effects
Repeated dose toxicity
Assessment of repeated dose toxicity: The substance may cause damage to the lung after repeated inhalation of high doses. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The data on toxicology refer to the active ingredient.

Information on: Aluminatesilicate
Assessment of repeated dose toxicity: The substance may cause damage to the lung after repeated inhalation of high doses. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The data on toxicology refer to the active ingredient.

Genetic toxicity
Assessment of mutagenicity: Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Carcinogenicity
Assessment of carcinogenicity: In long-term studies in rats in which the substance was given by feed, a carcinogenic effect was not observed. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Reproductive toxicity
Assessment of reproduction toxicity: No data available.

Teratogenicity
Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Symptoms of Exposure
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

12. Ecological Information

Toxicity
Aquatic toxicity
Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Toxicity to fish
LC0 (96 h) 10,000 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 92/69/EEC, C.1, static)
Nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic invertebrates
EC50 (48 h) > 10,000 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)
Nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Aquatic plants
EC50 (72 h) 2,500 mg/l (growth rate), Scenedesmus subspicatus (OECD Guideline 201, static)
Nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Chronic toxicity to fish
Study scientifically not justified.

Chronic toxicity to aquatic invertebrates
No observed effect concentration (21 d) 1,000 mg/l, Daphnia magna (OECD Guideline 211, semistatic)
Nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment of terrestrial toxicity
Study scientifically not justified.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms
Study scientifically not justified.

Persistence and degradability

Assessment biodegradation and elimination (H2O)
Inorganic product which cannot be eliminated from water by biological purification processes. Study does not need to be conducted.

Assessment of stability in water
Study does not need to be conducted.

Bioaccumulative potential

Assessment bioaccumulation potential
Accumulation in organisms is not to be expected.

Bioaccumulation potential
Study does not need to be conducted.

Mobility in soil

Assessment transport between environmental compartments
Study scientifically not justified.

13. Disposal considerations

Container disposal:
Dispose of in accordance with national, state and local regulations. Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport
15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Not hazardous;

NFPA Hazard codes:
Health : 1 Fire: 0 Reactivity: 0 Special:

HMIS III rating
Health: 1 Flammability: 0 Physical hazard: 0

Assessment of the hazard classes according to UN GHS criteria (most recent version):

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2014/07/31

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