We create chemistry

Safety Data Sheet
Sorbead® ORANGE CHAMELEON 2050

1. Identification

Product identifier used on the label

Sorbead® ORANGE CHAMELEON 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 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

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

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 applicable information available.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

CAS Number	Weight %	Chemical name
1327-36-2	98.0 - 99.5%	Aluminatesilicate

4. First-Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air. 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:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If symptoms persist, seek medical advice.

If swallowed:
Rinse mouth and then drink plenty of water.

If vomiting occurs, keep head lower than hips to prevent aspiration. Seek medical attention if necessary.

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

Note to physician
Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
carbon dioxide, dry powder, foam, water spray

Additional information:
Use extinguishing measures to suit surroundings.

Special hazards arising from the substance or mixture
Hazards during fire-fighting:
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

Further accidental release measures:
Forms slippery surfaces with water.

Personal precautions, protective equipment and emergency procedures
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. Reclaim for processing if possible. Avoid raising dust.

7. Handling and Storage

Precautions for safe handling
Keep container tightly closed. Ensure adequate ventilation.

Avoid dust formation. Avoid inhalation of dusts. Avoid contact with the skin, eyes and clothing. Provide suitable exhaust ventilation at the processing machines.

Protection against fire and explosion:
The substance/product is non-combustible.

Do not handle in flammable atmospheres. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities
Keep away from water.

Suitable materials for containers: Carbon steel (Iron), Low density polyethylene (LDPE)

Further information on storage conditions: Containers should be stored tightly sealed in a dry place. Keep in a cool place.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Aluminatesilicate

ACGIH TLV TWA value 1 mg/m3 Respirable fraction ;

Advice on system design:
Provide local exhaust ventilation to maintain recommended P.E.L. Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:
Wear appropriate certified respirator when exposure limits may be exceeded. Wear a NIOSH-certified (or equivalent) particulate respirator.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:
Wear 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:
Handle in accordance with good industrial hygiene and safety practice. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	beads	
Odour:	odourless	
Odour threshold:	not applicable	
Colour:	beige to brown	
pH value:	4 - 8 (100 g/kg) (as suspension)	
Melting point:	> 550 °C	
Boiling point:	(1,013 hPa) not applicable, solid with a melting temperature over 300 °C	
Sublimation point:	No applicable information available.	
Flash point:	not applicable, the product is a solid	
Flammability:	not highly flammable	(other)
Lower explosion limit:	For solids not relevant for classification and labelling.	

Upper explosion limit:	For solids not relevant for classification and labelling.
Autoignition:	not applicable
SADT:	Not a substance/mixture liable to self-decomposition according to GHS.
Vapour pressure:	not applicable, solid with a melting temperature over 300 °C
Relative density:	No applicable information available.
Bulk density:	400 - 900 kg/m3 (20 °C) Literature data.
Vapour density:	not applicable
Partitioning coefficient n-octanol/water (log Pow):	The value has not been determined because the substance is inorganic.
Self-ignition temperature:	not self-igniting Based on its structural properties the product is not classified as self-igniting.
Thermal decomposition:	not determined
Viscosity, dynamic:	not applicable, the product is a solid
Viscosity, kinematic:	No applicable information available.
Solubility in water:	The substance / product decomposes therefore not determined.
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Evaporation rate:	not applicable

10. Stability and Reactivity

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

Corrosion to metals:
Corrosive effects to metal are not anticipated.

Oxidizing properties:
Based on its structural properties the product is not classified as oxidizing.

Chemical stability
The product is chemically stable.

Possibility of hazardous reactions
The product is stable if stored and handled as prescribed/indicated.
The material is a desiccant and generates heat when it adsorbs water.

Conditions to avoid
Avoid dust formation. Avoid deposition of dust.
Avoid electro-static discharge.

Incompatible materials
flammable gases/vapours
water

Hazardous decomposition products

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

Thermal decomposition:
not determined

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: Not expected to be acutely toxic. May be harmful if swallowed in large quantities. May cause irritation, nausea, vomiting and diarrhea. 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: Contact with powders or dusts may irritate the eyes, skin and respiratory tract. 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.

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.

Other Information
The product has been assessed on the basis of the components' available data. To some extent data gaps exist for individual components. According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

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 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.

Persistence and degradability

Assessment biodegradation and elimination (H2O)
Inorganic product which cannot be eliminated from water by biological purification processes.

Bioaccumulative potential

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

Additional information

Other ecotoxicological advice:
The product has not been tested. The statement has been derived from the properties of the individual components. The product has been assessed on the basis of the components' available data. To some extent data gaps exist for individual components. According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

13. Disposal considerations

Waste disposal of substance:
Dispose of in accordance with local authority regulations. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

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.

RCRA:
This product is not regulated by RCRA.

14. Transport Information

Land transport
USDOT

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

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

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

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2018/03/29

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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