

## Material Safety Data Sheet: Silica Gel

### 1. Identification of the substance/preparation and the company

Substance: Molecular Sieve/Zeolite

Application: Drying Agent

Company: IMPAK Corporation  
13700 South Broadway  
Los Angeles, CA 90061

### 2. Composition/Information of ingredients

Zeolite, NaA (4A)                      68989-22-0 (CAS No.)    Zeolite, NaA (13X)                      68989-23-1 CAS No.)

CAS No.: 7631-86-9

Hazard symbols: --

R-phrased: --

Index No.: --

EINECS No.: 231-545-4

Cobalt Dichloride

Weight %: 0.2-0.9

CAS No.: 7646-79-9

Hazard symbols: T, N

R-phrases: 49 (Carc. Cat. 2)-22 42/43-50/53

Index No.: 027-004-00-5

EINECS No.: 231-5489-4

### 3. Hazards Identification

Hazard description:

Not applicable

### 4. First-aid measures

After inhalation take the patient into the fresh air. Call a doctor if necessary. In the event of contact with the skin rinse off with water and soap. Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. In case of persistent irritation of the skin and/or eyes seek medical advice. If product is swallowed consult a doctor if necessary.

### 5. Fire-fighting measures

Suitable extinguishing media: No restriction in fire situations. Product is not combustible.

For reasons for security unsuitable extinguishing media: None.

Special risk due to the substance for the preparation itself, its combustion products or the gas being produced: In case of fire, cobalt oxide and hydrogen chloride is formed.

Special protective equipment when fighting fires: Firemen have to wear self-contained breathing apparatus.

Further information: none.

## 6. Accidental release measures

Precautionary measures regarding persons: Avoid the formation and deposition of dust. Ensure effective ventilation. Avoid contact with skin and eyes and the inhalation of dust. Use the personal protective equipment listed in Charter 8.

Environmental protection measures: Do not empty into drains or waters.

Methods for cleaning up/taking up: Take up mechanically; avoid dust formation. Fill into labeled, sealable containers. Note German Technical Regulation on Dangerous Substances No 200/201

Further information: none

## 7. Handling and Storage

### Handling

Information on safe handling: Avoid the formation of dust. During processing, ensure efficient exhaust ventilation in the working area

Information on fire explosion prevention: none

### Storage

Requirements on storerooms and containers: none

Information on common storage: Observe the rules contained in the VCI concept for separate/common storage.

Observe the official regulations.

Further information on storage conditions: Keep in sealed containers in a dry place.

Storage class according to VCI (Association of the German Chemical Industry): 13

## 8. Exposure controls/personal protection

For exposure controls see Chapter 15

Respiratory protection: Respiratory equipment with filter type P according to DIN EN 143

Hand protection: gloves

Eye protection: goggles

## 9. Physical and chemical properties

Form:	granule or beads
Color:	white
Odor:	odorless
PH Value	3.5-8 (in suspension at 10% in water)
Melting point:	not determined
Boiling point	not determined
Inflammability:	no
Ignition temperature	not determined
Spontaneous flammability	not determined
Fire-promoting	
Properties:	no
Explosive limits	not determined
Vapor pressure:	not relevant
Bulk density:	380 to 720 kg/m <sup>3</sup>
Solubility in water:	<20 g/l at 20°C
Fat Solubility:	not determined
Partion coefficient n-octanol/water	not determined

## 10. Stability and reactivity

Condition to avoid: none  
Substances to avoid: none known  
Hazardous decomposition products: none known  
Further information: none

## 11. Toxicological Information

Toxicological tests

Acute toxicity: LD<sub>50</sub> oral, rat: 3160 mg/kg

## 12. Ecological information

Ecotoxicological data is not available

## 13. Disposal Considerations

Unused material: reuse if possible. Address manufacturer  
or  
May be disposed of in approved landfills provided local regulations are observed

## 14. Transport information

GGVSE: --	UN: --	PG: --	
RID/ADR: --	UN: --	PG: --	
Warning sign: Hazard No. --	UN No.: ----		
ADNR: --	UN: --	PG: --	
GGVsee/IMDG Code: --	UN: --	PG: --	MPO: --
ICAO-TI/IATA-DGR: --	UN: --	PG: --	
Declaration for land shipment: --			
Declaration for sea shipment: --			
Declaration of shipment by air: --			
Other information: Not dangerous cargo. Keep separated from foodstuffs			

## 15. Regulatory information

No labeling is required in accordance with the EEC directives.

German regulations  
TRGS 900 "Atmospheric Threshold Value":  
7631-86-9 Quartz  
threshold: 4 mg/m<sup>3</sup> E  
Note mark

Handling restrictions: none  
Major accidents regulations: not listed in the appendices  
Regulations on flammable liquids: not applicable

Technical Instruction on Air Pollution Control:  
Figure 5.2.1  
Total dust

Water pollution class (WGK): not harmful to water  
Observe national regulations

## **16. Other Information**

The presented Safety Data sheet has been altered.

The reason for the alteration is as follows: revised text (see chapter 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 14, 15, and 16) labeling (see chapter 15)

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties, or performance.