

# MATERIAL SAFETY DATA SHEET

**CLARIANT****PKT DESI PAK® 1/3U TY 27X89 700/PP NHT**

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Substance key: SCINADESIPAK

Revision Date: 05/29/2013

Version : 1 - 1 / USA

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## Section 01 - Product and company identification

<b>Identification of the company:</b>	Clariant Corporation 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: +1 704-331-7000
	<b>Information of the substance/preparation:</b> Product Stewardship 1-704-331-7710
	<b>Emergency tel. number:</b> +1 800-424-9300(CHEMTREC)

<b>Trade name:</b>	<b>PKT DESI PAK® 1/3U TY 27X89 700/PP NHT</b>
<b>Material number:</b>	256391
<b>Primary product use:</b>	Desiccant
<b>Chemical family:</b>	Desiccant

## Section 02 - Hazards identification

<b>Emergency overview:</b>	Performance packaging product, size and type vary.
<b>Expected Route of entry:</b>	
<b>Inhalation:</b>	Route of exposure unlikely This material is normally packaged and contained in a pouch, bag or canister. If the container is opened, prolonged or repeated inhalation of high dust concentrations may cause lung damage.
<b>Skin contact:</b>	No hazard in normal industrial use.
<b>Eye contact:</b>	Route of exposure unlikely. Dust may cause a mechanical irritation which can scratch the eye.
<b>Ingestion:</b>	Route of exposure unlikely. Canisters or sachets may pose a choking hazard if swallowed. Package fill is non-toxic by ingestion.
<b>Skin absorption:</b>	Route of exposure unlikely.
<b>Health effects of exposure:</b>	
Bentonite ( 1302-78-9 )	
Bentonite: May be harmful if inhaled over a prolonged period and may cause delayed lung damage.	
Quartz ( 14808-60-7 )	
Quartz: Confirmed carcinogen with experimental carcinogenic, tumorigenic, and neoplastogenic data. Experimental poison by intratracheal and intravenous routes. Human systemic effects by inhalation: cough, dyspnea, liver effects. IARC group 1 (carcinogenic to humans).	
<b>Known effects on other illnesses:</b>	No known effects on other illnesses for this product.
<b>Listed carcinogen:</b>	IARC: Yes NTP: Yes

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OSHA: No

Other: No

**HMIS:**

Health: 1\*

Flammability: 0

Reactivity: 0

**Section 03 - Composition/information on ingredients****Hazardous ingredients:**

Component	CAS-no. (Trade secret no.)	Concentration
Bentonite	1302-78-9	25 - 99 %
Quartz (Silica-Crystalline)	14808-60-7	< 0.5 %

**Section 04 - First aid measures****After inhalation:**

Normally not needed.  
No treatment specified.

**After contact with skin:**

Wash area with mild soap and copious amounts of water.  
Consult physician if irritation occurs or if irritation is extensive.

**After contact with eyes:**

Do not rub eyes.  
Flush with lukewarm, gently flowing water for 15 minutes or until the particle/dust is removed, while holding the eyelid(s) open.  
Obtain medical attention.

**After ingestion:**

Normally not needed. If whole canisters or sachets are ingested, call a physician or your local Poison Control Center (1-800-222-1222 in the United States).

**Advice to doctor / Treatment:**

Treat the patient symptomatically.

**Section 05 - Fire fighting measures****Flashpoint:**

Material is not flammable.

**Hazardous combustion products:**

None known.

**Extinguishing media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special fire fighting procedure:**

Wear full protective clothing and NIOSH/MSHA-approved positive pressure, self-contained breathing apparatus.

**Unusual fire and explosion hazards:**

None known.



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**Section 06 - Accidental release measures****Steps to be taken in case of spill or leak:**

Wearing appropriate personal protective equipment, contain spill and collect into a suitable container.

No special precautions required.

Refer to Section 8 for more information.

**Section 07 - Handling and storage****Advice on safe handling:**

Use of proper hygiene practices in the work place is recommended.

**Further info on storage conditions:**

Store in a dry area.

**Section 08 - Exposure controls / personal protection****Occupational exposure limits:**

Component	CAS number:	Regulatory list	Type of value	Values / Remarks
Silica, Crystalline - $\alpha$ -Quartz	14808-60-7	US. Threshold Limit Values (TLV) for Chemical Substances in the Work Environment Adopted Values	8-hour, time-weighted average	0.025 mg/m <sup>3</sup>
Silica, crystalline, quartz ( Crystalline and Dust)	14808-60-7	US. Table Z-1-A Limits for Air Contaminants (1989 vacated values)	8-hour time weighted average	0.1 mg/m <sup>3</sup>

All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is 5 mg/m<sup>3</sup> for respirable fraction and 15 mg/m<sup>3</sup> for total dust. ACGIH exposure guidelines of less than 3 mg/m<sup>3</sup> (respirable) and 10 mg/m<sup>3</sup> (inhalable) have been established for particles (insoluble/poorly soluble) not otherwise specified (PNOS).

**Respiratory protection:**

Not needed under normal conditions of use.

**Hand protection:**

Impervious rubber such as neoprene, nitrile, natural rubber, butyl rubber, PVC, or teflon.

Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection:**

Follow facility guidelines in the absence of dusts.

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**Other protective equipment:** Wear protective clothing, including long sleeves and gloves, to prevent skin contact.  
Thoroughly wash clothing before reuse.  
Use of proper hygiene practices in the workplace is recommended.

**Advice on system design:** Good general ventilation should be sufficient to control airborne levels.

**Section 09 - Physical and chemical properties**

**Form:** Solid form

**Color:** Various, depending on coloration

**Odor:** none

**Odor limit:** not available

**pH:** not determined

**Solubility in water:** insoluble

**Density:** not determined

**Melting point :** not determined

**Boiling point :** not determined

**Evaporation number:** Non-Volatile

**Vapor pressure:** not applicable

**Bulk density:** not determined

**Relative vapor density:** not applicable

**Partitioning coef. octanol/water:** no data available

**Loss on drying:** Not Volatile

**Section 10 - Stability and reactivity**

**Chemical stability:** Stable.

**Hazardous Polymerization:** Will not occur.  
Conditions to avoid: None known.

**Conditions to avoid:** None known.

**Section 11 - Toxicological information**

**Component information:**  
Bentonite ( 1302-78-9 )

**Acute oral toxicity:** LD50 > 2 g/kg (rat)  
Method: OECD Test Guideline 420

**Acute inhalation toxicity:** no data available

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**Acute dermal toxicity:** no data available, Bentonite is almost insoluble and has a low absorption through the skin.

## Section 12 - Ecological information

### Component information:

Bentonite ( 1302-78-9 )

**Fish toxicity:** LC50 16 g/l (96 h, Oncorhynchus mykiss (rainbow trout))

**Fish toxicity:** LC50 2.8 - 3.2 g/l (24 h, Marine water fish)

**Daphnia toxicity:** EC50 > 100 mg/l (48 h, daphnia ( magna ))  
Method: OECD 202

**Daphnia toxicity:** EC50 81.6 mg/l (96 h, Metacarcinus magister)

**Daphnia toxicity:** EC50 24.8 mg/l (96 h, Pandalus danae)

**Algae toxicity:** EC50 > 100 mg/l (72 h, Scenedesmus subspicatus)

### Remarks:

According to experience and to the information currently available, the product has no harmful effects on the environment if used correctly as intended.

## Section 13 - Disposal considerations

### Waste disposal information:

The generator of the waste has the responsibility for proper waste classification, transportation and disposal. Classify waste under applicable State and local regulations.

### RCRA hazardous waste:

This product, if discarded as sold, is not a Federal RCRA hazardous waste. Processing, use or contamination of this product may change the waste management options.  
State and local disposal regulations may differ from federal disposal regulations.  
RCRA number: NONE

## Section 14 - Transport information

**DOT** not restricted

**IATA** not restricted

**IMDG** not restricted

## Section 15 - Regulatory information

### TSCA Status:

All components of this product are listed or excluded from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Inventory.

### SARA (section 311/312):

**Reactive hazard:** no

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Pressure hazard: no  
Fire hazard: no  
Immediate/acute: no  
Delayed/chronic: yes

**SARA 313 information:**

This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

**Clean Water Act:**

Contains no known priority pollutants at concentrations greater than 0.1%.

**CERCLA information:**

Does not contain ingredient(s) listed under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 40 CFR 302.

**Section 16 - Other information****State regulatory information:**

This product does not contain chemical(s) known to the state of California to cause cancer, birth defects, or reproductive harm.

**Label information:****WARNING!**

Packets or canisters may pose a choking hazard. Keep away from children and pets.  
Poses little or no immediate threat. Material is contained in a pouch, bag or canister.

Avoid breathing dust. Avoid contact with eyes, skin and clothing. Avoid ingestion. Keep container closed. Prior to handling this product, please refer to the current MSDS for recommended protective equipment and detailed hazard and precautionary information.

**INHALATION:** If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention. Get medical attention if cough and other symptoms develop.

**INGESTION:** If swallowed, call your local Poison Control Center (1-800-222-1222 in the U.S.) **EYE CONTACT,** immediately flush eyes with plenty of water for at least 15 minutes. **SKIN:** Wash contacted skin with soap and water. Get medical attention if symptoms occur.

**NFPA:**

Health: 0

Flammability: 0

Reactivity: 0

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from

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the use of the product described herein. Data provided here are typical and not intended for use as product specifications.