

# SAFETY DATA SHEET



**BAG DESI PAK® 4U TY 5X5.5 50/P 500/D NHT**

Page 1

Substance key: SC0000107388

Revision Date: 12/09/2019

Version : 5 - 0 / USA

Date of printing :01/27/2020

## SECTION 1. 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

**Trade name:** BAG DESI PAK® 4U TY 5X5.5 50/P 500/D NHT  
**Material number:** 254255  
**CAS number:** 1302-78-9  
**Primary product use:** Desiccant  
**Restrictions on use :** There are no uses advised against.

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with 29 CFR 1910.1200**

Combustible dust

### GHS label elements

**Signal word** : Warning  
**Hazard statements** : May form combustible dust concentrations in air.  
**Precautionary statements** : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take precautionary measures against static discharge.  
P233 Keep container tightly closed.

### Other hazards

No additional hazards are known except those derived from the labelling.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance / Mixture** : Substance

### Components

This product does not contain any components that require disclosure according to OSHA Hazard Communication Standard 2012.

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Substance key: SC0000107388

Revision Date: 12/09/2019

Version : 5 - 0 / USA

Date of printing :01/27/2020

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**SECTION 4. FIRST AID MEASURES**

- General advice : No known delayed effects. Consult a physician for all exposures except for minor instances.
- If inhaled : Move the victim to fresh air.  
Give oxygen or artificial respiration if needed.  
Get immediate medical advice/ attention.  
Never give anything by mouth to an unconscious person.
- In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get medical attention immediately if irritation develops and persists.
- If swallowed : 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).
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).  
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : The product itself does not burn.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Water spray jet  
Dry powder  
Foam  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : No restrictions
- Specific hazards during firefighting : The product is not flammable.  
Does not sustain combustion.  
No hazardous decomposition products are known.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Special sliding risk through leaking of spilled product in connection with water.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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Substance key: SC0000107388

Revision Date: 12/09/2019

Version : 5 - 0 / USA

Date of printing :01/27/2020

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- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.  
Avoid dust formation.  
Evacuate personnel to safe areas.  
Avoid contact with skin, eyes and clothing.  
Wear personal protective equipment.  
Avoid breathing dust.  
Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).  
Special sliding risk through leaking of spilled product in connection with water.  
Wearing appropriate personal protective equipment, contain spill and collect into a suitable container.  
No special precautions required.  
Refer to Section 8 for more information.
- Environmental precautions : No special environmental precautions required.
- Methods and materials for containment and cleaning up : Pick up and transfer to properly labelled containers.  
If product is released from trucks in roads, place signposts and remove the spill using vacuum cleaning systems.

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**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Use of proper hygiene practices in the workplace is recommended.
- Conditions for safe storage : Minimize airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.
- Further information on storage conditions : Store in a dry place.
- Materials to avoid : No conditions to be specially mentioned.
- Further information on storage stability : Stable under recommended storage conditions.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

- Engineering measures** : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

# SAFETY DATA SHEET



**BAG DESI PAK® 4U TY 5X5.5 50/P 500/D NHT**

Page 4

Substance key: SC0000107388

Revision Date: 12/09/2019

Version : 5 - 0 / USA

Date of printing :01/27/2020

## Personal protective equipment

- Respiratory protection : Wear NIOSH approved particulate filtering respirator rated N, R, or P95 or 100 or equivalent in the absence of proper environmental control. Type of respirator depends on level of exposure.
- Hand protection  
Remarks : Butyl Rubber, PVC Or Neoprene.
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.
- Hygiene measures : Wash hands before breaks and at the end of workday.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : lumpy, granular, powder
- Colour : bright to earthy
- Odour : none
- Odour Threshold : not determined
- pH : 6 - 11 (68 °F / 20 °C)  
Method: aqueous suspension  
For detail information please refer to our physical & chemical data sheet.
- Melting point/range : > 842 °F / 450 °C  
Method: EU A.1
- Boiling point/boiling range : not applicable (solid with a melting point > 450 °C)
- Flash point : Not applicable
- Evaporation rate : not applicable (solid with a melting point > 450 °C)
- Flammability (solid, gas) : does not ignite  
Method: EU A.10
- Self-ignition : Method: 92/69/EEC, A.6.  
no relative self-ignition temperature below 400 °C
- Upper explosion limit / upper flammability limit : Not applicable

# SAFETY DATA SHEET



**BAG DESI PAK® 4U TY 5X5.5 50/P 500/D NHT**

Page 5

Substance key: SC0000107388

Revision Date: 12/09/2019

Version : 5 - 0 / USA

Date of printing :01/27/2020

Lower explosion limit / Lower flammability limit	:	non explosive (void of any chemical structures commonly associated with explosive properties)
Vapour pressure	:	not applicable (solid with a melting point > 450 °C)
Relative vapour density	:	Not applicable
Density	:	2.6 g/cm <sup>3</sup>
Bulk density	:	500 - 1,100 kg/m <sup>3</sup> For detail information please refer to our physical & chemical data sheet.
Solubility(ies) Water solubility	:	< 0.9 g/l (68 °F / 20 °C) Method: Tested according to Directive 92/69/EEC.
Partition coefficient: n-octanol/water	:	Not applicable inorganic
Auto-ignition temperature	:	not determined
Decomposition temperature	:	No decomposition if used as directed.
Viscosity Viscosity, dynamic	:	not applicable (solid with a melting point > 450 °C)
Viscosity, kinematic	:	Not applicable
Oxidizing properties	:	no oxidizing properties (Based on the chemical structure, the substance does not contain a surplus of oxygen or any structural groups known to be correlated with a tendency to react exothermally with combustible material)
Particle size	:	no data available

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	None known.
Conditions to avoid	:	Forms slippery/greasy layers with water.
Incompatible materials	:	inert, not reactive Avoid storing together with materials that may be affected by dust.
Hazardous decomposition products	:	Not relevant

Substance key: SC0000107388

Revision Date: 12/09/2019

Version : 5 - 0 / USA

Date of printing :01/27/2020

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Eye contact

Ingestion

Inhalation

**Acute toxicity****Product:**Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 420

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

**Skin corrosion/irritation****Product:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

**Serious eye damage/eye irritation****Product:**

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

**Respiratory or skin sensitisation****Product:**

Remarks: no data available

**Germ cell mutagenicity****Product:**Genotoxicity in vitro : Test Type: In vitro gene mutation study in bacteria  
Method: OECD Test Guideline 471  
Result: negativeTest Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: negativeTest Type: In vitro gene mutation study in mammalian cells  
Method: OECD Test Guideline 476  
Result: negative

Germ cell mutagenicity - : In vitro tests did not show mutagenic effects

# SAFETY DATA SHEET



BAG DESI PAK® 4U TY 5X5.5 50/P 500/D NHT

Page 7

Substance key: SC0000107388

Revision Date: 12/09/2019

Version : 5 - 0 / USA

Date of printing :01/27/2020

## Assessment

### Carcinogenicity

#### Product:

Carcinogenicity - Assessment : No information available.

#### IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

#### NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

#### Product:

Reproductive toxicity - Assessment : No information available.

### STOT - single exposure

#### Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT - repeated exposure

#### Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Aspiration toxicity

#### Product:

No aspiration toxicity classification

### Experience with human exposure

#### Product:

General Information : The possible symptoms known are those derived from the labelling (see section 2).

Substance key: SC0000107388

Revision Date: 12/09/2019

Version : 5 - 0 / USA

Date of printing :01/27/2020

**Further information****Product:**

Remarks: There is no data available for this product.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 16 g/l  
Exposure time: 96 h
- LC50 (Marine water fish): 2.8 - 3.2 g/l  
Exposure time: 24 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- EC50 (Metacarcinus magister): 81.6 mg/l  
Exposure time: 96 h
- EC50 (Pandalus danae): 24.8 mg/l  
Exposure time: 96 h
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h
- Toxicity to fish (Chronic toxicity) : Remarks: no data available
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: no data available
- Plant toxicity : 84.4 mg/kg  
Species: Phaseolus vulgaris  
Remarks: No effect on the growth was observed.
- 84.4 mg/kg  
Species: Zea mays  
Remarks: No effect on the growth was observed.

**Persistence and degradability****Product:**

- Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.



# SAFETY DATA SHEET



**BAG DESI PAK® 4U TY 5X5.5 50/P 500/D NHT**

Page 9

Substance key: SC0000107388

Revision Date: 12/09/2019

Version : 5 - 0 / USA

Date of printing :01/27/2020

## Bioaccumulative potential

### Product:

Bioaccumulation : Remarks: Not relevant for inorganic substances

## Mobility in soil

no data available

## Other adverse effects

### Product:

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

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

RCRA - Resource Conservation and Recovery Act Authorization Act Waste Code : No -- Not as sold.

Waste Code : NONE

Waste from residues : 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.

Contaminated packaging : No specific requirements.

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## SECTION 14. TRANSPORT INFORMATION

DOT not restricted

IATA not restricted

IMDG not restricted

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## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

# SAFETY DATA SHEET

BAG DESI PAK® 4U TY 5X5.5 50/P 500/D NHT

Page 10

Substance key: SC0000107388  
Version : 5 - 0 / USA

Revision Date: 12/09/2019  
Date of printing :01/27/2020

**SARA 311/312 Hazards** : Combustible dust

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Water Act

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

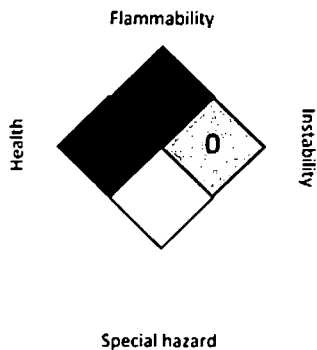
**The components of this product are reported in the following inventories:**

**TSCA** : On TSCA Inventory, All components are compliant with the TSCA Inventory Notification (Active) rule.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -

# SAFETY DATA SHEET



**BAG DESI PAK® 4U TY 5X5.5 50/P 500/D NHT**

Page 11

Substance key: SC0000107388

Revision Date: 12/09/2019

Version : 5 - 0 / USA

Date of printing :01/27/2020

International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 12/09/2019

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