

BAG DESI PAK® 4U T2 CP-523 5X5.5 500/D

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Substance key: SC0000107388

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Version : 5 - 4 / USA

Date of printing :09/29/2022

SECTION 1. IDENTIFICATION**Identification of the company:**

Clariant Corporation
500 East Morehead Street
Charlotte, NC, 28202
Telephone No.: +1 704 331 7000

Information of the substance/preparation:

Product Stewardship, +1-704-331-7710
e-mail: SDS.NORAM@clariant.com

Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: BAG DESI PAK® 4U T2 CP-523 5X5.5 500/D
Material number: 254254
Chemical family: Desiccant
Primary product use: Desiccant
Restrictions on use : There are no uses advised against.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

This product is considered an "Article" by the US Department of Labor, Occupational Safety & Health Administration (OSHA) under OSHA 29 CFR 1910.1200(c) and is exempt from the requirements of a Safety Data Sheet (SDS) found in the Hazard Communication Standard, 29 CFR 1910.1200(b)(v).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : Desiccant

Components

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 4. FIRST AID MEASURES

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- 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.

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 (CO₂)
- 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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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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.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid dust formation.
Provide sufficient air exchange and/or exhaust in work rooms.
In case of insufficient ventilation, wear suitable respiratory equipment.
For personal protection see section 8.
Handle and open container with care.
If you require advice on safe handling techniques or specific uses, please contact your supplier or check the further information referred to in section 16.
- 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).

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 : odourless

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)

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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
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 ³
Bulk density	:	500 - 1,100 kg/m ³ For detail information please refer to our physical & chemical data sheet.
Solubility(ies)		
Water solubility	:	< 0.9 mg/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)
Metal corrosion rate	:	Not applicable
Particle size	:	no data available

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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

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity	:	LD50 (Rat, male and female): > 5,000 mg/kg Method: US EPA Test Guideline OPP 81-1 Remarks: By analogy with a product of similar composition
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

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Germ cell mutagenicity**Product:**

Genotoxicity in vitro

: Test Type: In vitro gene mutation study in bacteria
Method: OECD Test Guideline 471
Result: negative

Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: negative

Test Type: In vitro gene mutation study in mammalian cells
Method: OECD Test Guideline 476
Result: negative

Germ cell mutagenicity -
Assessment

: In vitro tests did not show mutagenic effects

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.

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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).

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 : Remarks: no data available

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aquatic invertebrates
(Chronic toxicity)

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.

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.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

RCRA - Resource Conservation and Recovery Act
Waste Code : This product, if discarded as sold, is not a Federal RCRA hazardous waste.
: 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.

SECTION 14. TRANSPORT INFORMATION

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DOT	not restricted
IATA	not restricted
IMDG	not restricted

SECTION 15. REGULATORY INFORMATION**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.

SARA 311/312 Hazards : No SARA Hazards

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 Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

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

This product does not contain any priority pollutants related to the U.S. Clean Water Act

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

TSCA : All substances listed as active on the TSCA inventory

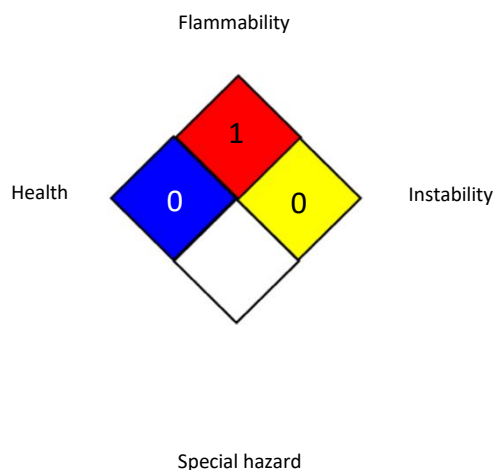
SECTION 16. OTHER INFORMATION**Further information**

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NFPA 704:**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; 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 - 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-

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Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals 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

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