

Substance key: SC0000107388  
Version : 6 - 0 / USA

Revision Date: 08/06/2025  
Date of printing :01/30/2026

## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Produkte (Deutschland) GmbH Ostenriederstrasse 15 Moosburg, 85368 Telephone No.: +49 (0)8761/82-0
	<b>Information of the substance/preparation:</b> Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com
	<b>Emergency tel. number:</b> +1 800-424-9300 CHEMTREC

<b>Trade name:</b>	<b>BAG DESI PAK 10G TY-661 3X3 640/C</b>
<b>Material number:</b>	254225
<b>Chemical family:</b>	Impurities are not applicable for a UVCB substance. All Bentonite types are UVCB substances, sub-type 4.
<b>Primary product use:</b>	For further information, refer to the product technical data sheet.
<b>Chemical family:</b>	Bentonit

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

### Hazards for the product as supplied

Not a hazardous substance or mixture.

### Other hazards

The information contained in chapters 6, 7 and 8 are to be considered only in case of accidental release of larger quantities.

No release of desiccant clay dusts expected under normal use of the desiccant clay bags.

The product contains less than 1% w/w RCS (respirable crystalline silica).

Depending on the handling and use (grinding, drying, bagging), airborne respirable dust may be generated. Dust contains respirable crystalline silica. Prolonged and or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable dust should be monitored and controlled. The product should be handled using methods and techniques that minimize or eliminate dust generation.  
No additional hazards are known except those derived from the labelling.

### GHS label elements

Not a hazardous substance or mixture.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

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Chemical nature : Impurities are not applicable for a UVCB substance.  
All Bentonite types are UVCB substances, sub-type 4.

## Components

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

## SECTION 4. FIRST AID MEASURES

- General advice : No known delayed effects. Consult a physician for all exposures except for minor instances.  
Do not leave the victim unattended.
- If inhaled : Move to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
Never give anything by mouth to an unconscious person.  
Get immediate medical advice/ attention.  
  
Give oxygen or artificial respiration if needed.
- In case of skin contact : Wash off immediately with soap and plenty of water.  
If on clothes, remove clothes.  
If skin irritation occurs, seek medical advice/attention.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
If easy to do, remove contact lens, if worn.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : The possible health hazards known are those derived from the labelling (see corresponding section) and/or provided in this section.  
eye pain
- Notes to physician : Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)

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- The product itself does not burn.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : No hazardous combustion products are known
- Further information : In the event of fire and/or explosion do not breathe fumes.  
Do not allow run-off from fire fighting to enter drains or water courses.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear full protective clothing and 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**

- Personal precautions, protective equipment and emergency procedures : Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Remove all sources of ignition.  
Use personal protective equipment.  
Refer to protective measures listed in sections 7 and 8.  
Avoid breathing dust.  
Avoid dust formation.  
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 : The product should not be allowed to enter drains, water courses or the soil.  
If product is released from trucks in roads, place signposts and remove the spill using vacuum cleaning systems.
- Methods and materials for containment and cleaning up : Avoid dust formation.  
Non-sparking tools should be used.  
Take measures to prevent the build up of electrostatic charge.  
Sweep up and shovel into suitable containers for disposal.  
Clean contaminated surface thoroughly.

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Treat recovered material as described in the section "Disposal considerations".

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**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Observe the general rules of industrial fire protection. Take precautionary measures against build-up of electrostatic charges, e.g earthing during loading and off-loading operations. Dust can form an explosive mixture in air. Electrical equipment should be protected to the appropriate standard. Cool endangered containers with water spray jet.
- Advice on safe handling : Use only with adequate ventilation/personal protection. For personal protection see section 8. Avoid contact with skin, eyes and clothing. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid dust formation. Take measures to prevent the build up of electrostatic charge. Ensure all equipment is electrically grounded before beginning transfer operations. Use only non-sparking tools. Avoid spillage on floor as the product can become very slippery when wet.
- 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.
- Materials to avoid : When used and handled as intended, none.
- 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** : Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures e.g. by isolating personnel

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from dusty areas. Remove and wash soiled clothing

**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 : Wear safety glasses with side shields or goggles.  
Do not wear contact lenses.
- Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.
- Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.  
Observe the usual precautions for handling chemicals.  
Avoid breathing dust or vapour.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Use protective skin cream before handling the product.  
Wash hands before breaks and at the end of workday.  
Take off immediately all contaminated clothing and wash it before reuse.

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**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
- Melting point : > 842 °F / 450 °C  
Method: EU A.1
- Boiling point : not applicable (solid with a melting point > 450 °C)

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Flash point	:	Does not apply to solids.
Evaporation rate	:	not applicable (solid with a melting point > 450 °C)
Flammability (solid, gas)	:	The product is not flammable., Not expected to form explosive dust-air mixtures.
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	:	Does not apply to solids.
Vapour pressure	:	not applicable (solid with a melting point > 450 °C)
Relative vapour density	:	Does not apply to solids.
Density	:	2.6 g/cm <sup>3</sup> (68 °F / 20 °C)
Solubility(ies) Water solubility	:	no data available
Partition coefficient: n-octanol/water	:	Not applicable inorganic
Auto-ignition temperature	:	not determined
Decomposition temperature	:	> 842 °F / 450 °C
Viscosity 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	:	no data available
Particle size	:	no data available

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## SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.

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Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Avoid dust formation.
Incompatible materials	:	inert, not reactive Avoid storing together with materials that may be affected by dust.
Hazardous decomposition products	:	When handled and stored appropriately, no dangerous decomposition products are known

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Skin contact  
Eye contact  
Ingestion  
Inhalation

### Acute toxicity

Not classified

#### **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

Based on available data, the classification criteria are not met.

#### **Product:**

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

### Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

#### **Product:**

Species	:	Rabbit
Result	:	No eye irritation
Method	:	OECD Test Guideline 405

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**Respiratory or skin sensitisation****Skin sensitisation**

Not classified

**Respiratory sensitisation**

Not classified

**Product:**

Remarks : no data available

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**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 - Assessment : In vitro tests did not show mutagenic effects

**Carcinogenicity**

Not classified

**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**

Not classified

**Product:**

Reproductive toxicity - Assessment : No information available.

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**STOT - single exposure**

Based on available data, the classification criteria are not met.

**Product:**

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

**STOT - repeated exposure**

Based on available data, the classification criteria are not met.

**Product:**

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

**Aspiration toxicity**

Based on available data, the classification criteria are not met.

**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.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 16 g/l  
Exposure time: 96 hLC50 (Marine water fish): 2.8 - 3.2 g/l  
Exposure time: 24 hToxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
aquatic invertebrates : Exposure time: 48 h  
Method: OECD Test Guideline 202

EC50 (Metacarcinus magister): 81.6 mg/l

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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.

## 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

Waste Code : NONE

: This product, if discarded as sold, is not a Federal RCRA hazardous waste.

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- Waste from residues : Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities  
Avoid dust formation.  
Where possible recycling is preferred to disposal or incineration.
- Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

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**SECTION 14. TRANSPORT INFORMATION**

<b>DOT</b>	not restricted
<b>IATA</b>	not restricted
<b>IMDG</b>	not restricted

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**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.

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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:**

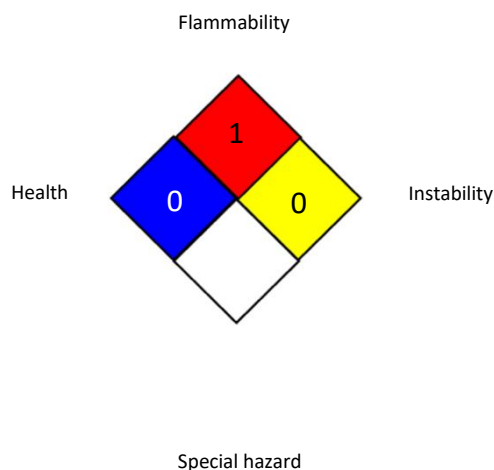
DSL : All components of this product are on the Canadian DSL

TSCA : All substances listed as active on the TSCA inventory

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



### Full text of other abbreviations

AllC - 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 Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50

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- 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 - Organisation 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; 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

The indicator-card (HI-Card) that may be included in the scope of this delivery is a packaging supplement to check the product quality. Should the Safety Data Sheet of the HI-card be required, please contact the address mentioned in section 1 of this SDS.

Observe national and local legal requirements

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

For additional information, contact Product Stewardship.

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