

# SAFETY DATA SHEET

# CLARIANT

**BAG SORB-IT® 10G G2-19 2¼X3 600/PP NHT**

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Substance key: SC0000901386

Revision Date: 10/26/2017

Version : 4 - 0 / USA

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## SECTION 1. IDENTIFICATION

**Identification of the company:**

Clariant Corporation  
4000 Monroe Road  
Charlotte, NC, 28205  
Telephone No.: +1 704 331 7000

**Information of the substance/preparation:**

Product Stewardship, +1-704-331-7710

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

**Trade name:**

**BAG SORB-IT® 10G G2-19 2¼X3 600/PP NHT**

**Material number:**

248734

**CAS number:**

7631-86-9

**Chemical family:**

approx. 94 - 96 % silica, approx. 4 - 6 % water of constitution and approx. 0,3 % water-soluble components

**Primary product use:**

Adsorbing medium for technical applications

**Primary product use:**

Packaging

## SECTION 2. HAZARDS IDENTIFICATION

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

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

**Other hazards**

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : approx. 94 - 96 % silica, approx. 4 - 6 % water of constitution and approx. 0,3 % water-soluble components

CAS-No. : 7631-86-9

**Hazardous components**

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

## SECTION 4. FIRST AID MEASURES

General advice : none

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- If inhaled : No treatment specified.  
In case of irritation when dust is inhaled, provide for plenty of fresh air.
- In case of skin contact : When used and handled appropriately no special measures are needed
- In case of eye contact : No special precautions required.
- If swallowed : No emergency care is anticipated.  
If large quantities of this material are swallowed, call a physician immediately.  
Call your local Poison Control Center (In the U.S. call 1-800-222-1222).
- 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 : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : None known.
- Further information : Wear full protective clothing and NIOSH/MSHA-approved positive pressure, self-contained breathing apparatus.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Do not breathe dust.  
No special precautions required.
- Environmental precautions : No special environmental precautions required.
- Methods and materials for containment and cleaning up : Take up uncontaminated material and pass on for further processing.  
Take up contaminated material by mechanical means, load

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into clean containers, and dispose of in accordance with legal regulations.

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : No special precautions required.
- Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.
- Conditions for safe storage : Keep container tightly closed and dry.
- Technical measures/Precautions : Store in a dry place.
- Materials to avoid : No materials to be especially mentioned.
- Further information on storage stability : Stable under recommended storage conditions.

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

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).

- Engineering measures** : Use ventilation adequate to keep exposures below recommended exposure limits. See the safety datasheet.

**Personal protective equipment**

- Respiratory protection** : Use local exhaust if dusting occurs. Good general ventilation is adequate in the absence of dusts.
- Hand protection**  
Remarks : Impervious rubber such as neoprene, nitrile, natural rubber, butyl rubber, PVC, or teflon.
- Eye protection** : Follow facility guidelines in the absence of dusts.
- Skin and body protection** : Wear protective clothing, including long sleeves and gloves, to prevent skin contact. Thoroughly wash clothing before reuse.

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Use of proper hygiene practices in the workplace is recommended.

Hygiene measures : Wash off with warm water and soap.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Solid form

Colour : various

Odour : none

Odour Threshold : not available

pH : not determined

Melting point : not determined

Bolling point : not determined

Flash point : does not flash

Evaporation rate : Non-Volatile

Flammability (solid, gas) : not determined

Self-ignition : not tested.

Burning number : not determined

Upper explosion limit / upper flammability limit : Not applicable

Lower explosion limit / Lower flammability limit : Not applicable

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Relative density : not tested.

Density : not determined

Bulk density : not determined

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : not tested.

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Partition coefficient: n-octanol/water : no data available

Auto-ignition temperature : Not applicable

Decomposition temperature : no data available

Viscosity

    Viscosity, dynamic : Not applicable

    Viscosity, kinematic : Not applicable

Flow time : Not applicable

Explosive properties : no data available

Oxidizing properties : not tested.

Sublimation point : not determined

Minimum ignition energy : not tested.

Particle size : not tested.

## SECTION 10. STABILITY AND REACTIVITY

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

Chemical stability : Stable

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.  
Stable

Conditions to avoid : None known.

Incompatible materials : Water

Hazardous decomposition products : No decomposition if stored and applied as directed.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

None known.

### Acute toxicity

#### Product:

Acute oral toxicity : Remarks: Not applicable

Acute inhalation toxicity : LC50 (Rat, male and female): > 2.08 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

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Method: OECD Test Guideline 403

GLP: yes

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: Other  
GLP: no

## Skin corrosion/irritation

### Product:

Species: Rabbit

Exposure time: 4 h

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

## Serious eye damage/eye irritation

### Product:

Species: rabbit eye

Result: No eye irritation

Exposure time: 24 h

Method: OECD Test Guideline 405

GLP: yes

## Respiratory or skin sensitisation

### Product:

Remarks: Not relevant

## Germ cell mutagenicity

### Product:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Concentration: 38 - 1000 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: yes

Test Type: In vitro gene mutation study in mammalian cells  
Test system: Chinese hamster ovary cells  
Concentration: 10 - 500 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes

Test Type: Ames test  
Test system: Salmonella typhimurium  
Concentration: 667 - 10000 µg/plate

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Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Genotoxicity in vivo : Test Type: HGPRT assay  
Species: Rat (male)  
Strain: Fischer F344  
Application Route: Inhalation  
Exposure time: 13 w, 6 h/d, 5 d/wk  
Dose: ca. 50 mg/m<sup>3</sup>  
Method: Other  
Result: negative  
GLP: No information available.

Germ cell mutagenicity - Assessment : It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests.

## Carcinogenicity

### Product:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

IARC Not listed

OSHA Not listed

NTP Not listed

## Reproductive toxicity

### Product:

Effects on fertility : Species: Rat, male and female  
Strain: Sprague-Dawley  
Application Route: oral (feed)  
Dose: 497 (m), 509 (f) mg/kg  
General Toxicity - Parent: NOAEL: 497 mg/kg body weight  
General Toxicity F1: NOAEL: 497 mg/kg body weight  
Method: OECD Test Guideline 415  
GLP: no

Effects on foetal development : Species: Rat  
Strain: wistar  
Application Route: oral (gavage)  
Dose: 13,5 - 62,7 - 292 - 1350mg/kg  
General Toxicity Maternal: NOAEL: 1,350 mg/kg body weight  
Teratogenicity: NOAEL: 1,350 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: no

Reproductive toxicity - Assessment : No reproductive toxicity to be expected.  
No teratogenic effects to be expected.

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## 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.

## Repeated dose toxicity

### Product:

Species: Rat, male and female  
NOAEL: 4,000 - 4,500 mg/kg  
Application Route: oral (feed)  
Exposure time: 13 w  
Number of exposures: continuously  
Dose: 0,5 - 2 - 6,7 % SI in diet  
Group: yes  
Method: OECD Test Guideline 408  
GLP: yes

Species: Rat, male and female  
NOAEL: 0.0013 mg/l  
LOAEL: 0.0059 mg/l  
Application Route: Inhalation  
Exposure time: 13 w  
Number of exposures: 6 hr/day; 5 days a week  
Dose: 1,3 - 5,9 - 31 mg/m<sup>3</sup>  
Group: yes  
Method: OECD Test Guideline 413  
GLP: yes

Application Route: Skin contact  
Remarks: This information is not available.

## 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).



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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

- Toxicity to fish : LL0 (Brachydanio rerio (zebrafish)): 10,000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 203  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 202  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to algae : EL50 (Desmodesmus subspicatus (green algae)): > 10,000 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: no  
Method: OECD Test Guideline 201  
GLP: yes  
Remarks: By analogy with a product of similar composition  
The details of the toxic effect relate to the nominal concentration.
- Toxicity to fish (Chronic toxicity) : Remarks: not required
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: not required
- Toxicity to microorganisms : GLP:  
Remarks: Not applicable
- Toxicity to soil dwelling organisms : Remarks: Not applicable
- Plant toxicity : Remarks: Not applicable
- Sediment toxicity : Remarks: Not applicable
- Toxicity to terrestrial : Remarks: Not applicable

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organisms

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

Biodegradability : Remarks: Not applicable

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: Not applicable

**Mobility in soil****Product:**

Distribution among environmental compartments : Remarks: Not applicable

**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: not available

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 Authorization Act : 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.

Waste Code : NONE

Waste from residues : Dispose of this product in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Dispose of as unused product.

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**SECTION 14. TRANSPORT INFORMATION**

DOT not restricted

IATA not restricted

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IMDG not restricted

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know****Act****CERCLA Reportable Quantity**

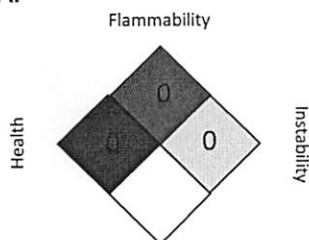
This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

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

**SARA 311/312 Hazards** : No SARA Hazards**SARA 313** : 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%.

**The components of this product are reported in the following inventories:****TSCA** : All components of this product are listed or excluded from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Inventory.**SECTION 16. OTHER INFORMATION****Further information****NFPA:****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 -

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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-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

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This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

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