

**BAG SORB-IT® 4U TY-519 5X6 500/D NHT**

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Version : 3 - 0 / USA

Revision Date: 04/28/2015  
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**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 Safety 1-704-331-7710
<b>Emergency tel. number:</b>	+1 800-424-9300 CHEMTREC

**Trade name:** BAG SORB-IT® 4U TY-519 5X6 500/D NHT  
**Material number:** 253627  
**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

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Eye irritation : Category 2A  
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)  
Specific target organ toxicity - repeated exposure : Category 2 (Lungs)

**GHS Label element**

Hazard pictograms : 

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs (Lungs) through prolonged or repeated exposure.

Precautionary statements : **Prevention:**  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear eye protection/ face protection.

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**Response:**

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

The substance does not meet the criteria for PBT or vPvB substance.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
Silica gel	63231-67-4	25 - 99

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**SECTION 4. FIRST AID MEASURES**

General advice                      : none

If inhaled                              : Remove to fresh air.  
Call a physician if irritation develops or persists.  
Call a physician if symptoms occur.

In case of skin contact            : Before washing use a dry brush to remove dust from skin.  
Wash area with mild soap and copious amounts of water.  
If skin irritation occurs: Get medical advice/ attention.

In case of eye contact              : Do not rub affected area.  
Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes.  
Get medical attention.

If swallowed                         : Route of exposure unlikely.  
IF SWALLOWED: Immediately call a POISON CENTER or

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doctor/ physician.

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.

Unsuitable extinguishing media : No information available.

Specific hazards during firefighting : None known.

None known.

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

Special protective equipment for firefighters : No special precautions required.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Do not breathe dust.  
Wearing appropriate personal protective equipment, contain spill and collect into a suitable container.  
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 into clean containers, and dispose of in accordance with legal regulations.

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**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : No special precautions required.

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- Advice on safe handling : Minimize dust generation and accumulation.  
Avoid breathing dust.  
Use only in well-ventilated areas.  
Avoid contact with eyes.  
Avoid prolonged or repeated contact with skin.  
Wash thoroughly after handling.  
CAUTION: Dry powders in powder or bead form may build up static electricity when being poured.
- Conditions for safe storage : Keep container tightly closed and dry.
- Technical measures/Precautions : Keep container dry.
- Materials to avoid : No materials to be especially mentioned.

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Amorphous silicon dioxide	7631-86-9	TWA	6 mg/m <sup>3</sup>	NIOSH REL
		TWA	20 Million particles per cubic foot	OSHA Z-3
Further information: Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques., mppcf X 35.3 = million particles per cubic meter = particles per c.c				

- Engineering measures** : Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.

**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 : Chemical resistant gloves

- Eye protection : Follow facility guidelines in the absence of dusts.  
Tightly fitting safety goggles

- 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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Hygiene measures : Wash off with warm water and soap.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : granular

Colour : white

Odour : none

Odour Threshold : cannot be determined

pH : 3 - 5, (20 °C)Method: aqueous suspension

Melting point : not determined

Boiling point : Not applicable

Flash point : Not applicable

Evaporation rate : Not applicable

Upper explosion limit : not tested.

Lower explosion limit : not tested.

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Relative density : not tested.

Density : not tested.

Bulk density : 680 - 780 kg/m<sup>3</sup>

Solubility(ies)

    Water solubility : insoluble

    Solubility in other solvents : not tested.

Partition coefficient: n-octanol/water : not determined

Auto-ignition temperature : Not applicable

Decomposition temperature : no data available

Viscosity

    Viscosity, dynamic : Not applicable

# SAFETY DATA SHEET



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Viscosity, kinematic : Not applicable  
Flow time : Not applicable  
Explosive properties : no data available  
Oxidizing properties : not tested.  
Sublimation point : not determined

## SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable  
Chemical stability : No decomposition if stored and applied as directed.  
Possibility of hazardous reactions : None known.  
Conditions to avoid : Exposure to moisture (hygroscopic).  
Incompatible materials : Water  
Hazardous decomposition products : No decomposition if stored and applied as directed.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Eye contact

### Acute toxicity

#### Product:

Acute oral toxicity : LD50 (Rat): 3,160 mg/kg

### Skin corrosion/irritation

#### Product:

Result: No skin irritation

### Serious eye damage/eye irritation

#### Product:

Result: No eye irritation

### Carcinogenicity

IARC : Not listed

OSHA : Not listed

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NTP Not listed

**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 :  
Remarks: No adverse effect has been observed in acute toxicity tests.**Persistence and degradability****Product:**

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

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

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

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

Distribution among environmental compartments : Remarks: Low potential for adsorption (based on substance properties)

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

Results of PBT and vPvB assessment : Remarks: Not relevant for inorganic substances

Additional ecological information : none

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

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

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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	: Dispose of as unused product.

**SECTION 14. TRANSPORT INFORMATION**

DOT	not restricted
IATA	not restricted
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** : Acute Health Hazard  
Chronic Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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.

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)



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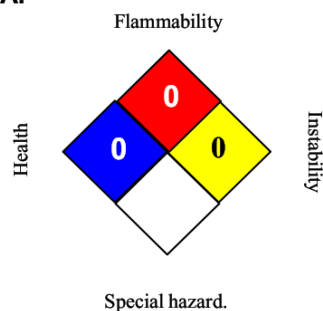
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**SECTION 16. OTHER INFORMATION****Further information****NFPA:**

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

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