

**SaniZide®Plus Germicidal Solution**

**SDS Preparation Date (mm/dd/yyyy): 04/17/2017**

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product identifier used on the label**

: **SaniZide®Plus Germicidal Solution**

**Product Code(s)**

: 9900010  
Premoistened towelette  
Canister: 160 Count  
Container: 4oz, 8oz, 16oz, 32oz and 1 gallon

**Recommended use of the chemical and restrictions on use**

: Personal Care Applications  
Restriction on use: None known

**Chemical family**

: Mixture.

**Name, address, and telephone number of the supplier:**

**Safetec of America, Inc.**

887 Kensington Avenue  
Buffalo, NY, USA  
14215

Supplier's Telephone # : 716-895-1822

**24 Hr. Emergency Tel #** : 1-800-255-3924

**Name, address, and telephone number of the manufacturer:**

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the chemical**

Towelette / pad saturated with clear, colourless liquid. OrClear liquid. Odorless.

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

**Label elements**

*Signal Word*

Not required

*Hazard statement(s)*

Not required

*Precautionary statement(s)*

Not required

**Other hazards**

Other hazards which do not result in classification :

Direct eye contact may cause slight or mild, transient irritation.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Ethoxylated nonylphenol	Nonylphenol Ethoxylated	9016-45-9	<b>0.53</b>
Alkyl dimethyl benzyl ammonium chloride	Quaternary ammonium compound Benzalkonium chloride	68391-01-5	<b>0.11</b>
alkyl dimethyl ethylbenzyl ammonium chlorides	N/Av	68956-79-6	<b>0.11</b>

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : None required when used as intended. If swallowed, DO NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
- Inhalation* : None required when used as intended. If symptoms develop, move victim to fresh air. Get medical attention if symptoms persist.
- Skin contact* : None required when used as intended. If irritation or symptoms develop, seek medical attention.
- Eye contact* : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

#### Most important symptoms and effects, both acute and delayed

- : None expected, when used as intended. Direct contact with eyes may cause temporary irritation.

#### Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable extinguishing media* : Water. Water spray. Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>).
- Unsuitable extinguishing media* : Do not use water jet as extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Burning may produce irritating, toxic and obnoxious fumes.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Not flammable.

#### Hazardous combustion products

- : Carbon oxides. Hydrogen chloride

#### Special protective equipment and precautions for firefighters

- Protective equipment for fire-fighters* : None known.
- Special fire-fighting procedures*

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

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: Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

**Environmental precautions** : Avoid discharge into drains, water courses or onto the ground.

**Methods and material for containment and cleaning up**

: Wipe up with absorbent material (e.g. cloth, fleece).

**Special spill response procedures**

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

### SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling**

: Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Avoid contact with eyes.

**Conditions for safe storage** : Keep container tightly closed. Keep cool. Store away from incompatible materials.

**Incompatible materials** : Strong oxidizing agents. Acids.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>					
	<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
		<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Ethoxylated nonylphenol	N/Av	N/Av	N/Av	N/Av	
Alkyl dimethyl benzyl ammonium chloride	N/Av	N/Av	N/Av	N/Av	
alkyl dimethyl ethylbenzyl ammonium chlorides	N/Av	N/Av	N/Av	N/Av	

**Exposure controls**

**Ventilation and engineering measures**

: Ensure adequate ventilation, especially in confined areas.

**Respiratory protection** : None required when used as intended.

**Skin protection** : None required when used as intended.

**Eye / face protection** : None required when used as intended.

**Other protective equipment** : None required when used as intended.

**General hygiene considerations**

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Towelette / pad saturated with clear, colourless liquid. or Clear liquid.

**Odour** : Odorless.

**Odour threshold** : Not available.

**pH** : 11 - 12

**Melting/Freezing point** : (-1.1 °C) 30.02 °F

**Initial boiling point and boiling range**

: (93.33 °C) 200 °F

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**Flash point** : (93.3 °C) 200.0 °F  
**Flashpoint (Method)** : Seta closed cup  
**Evaporation rate (BuAe = 1)** : Not available.  
**Flammability (solid, gas)** : Not applicable.  
**Lower flammable limit (% by vol.)**  
: Not available.  
**Upper flammable limit (% by vol.)**  
: Not available.  
**Oxidizing properties** : Not available.  
**Explosive properties** : Not available.  
**Vapour pressure** : Not available.  
**Vapour density** : > 1  
**Relative density / Specific gravity**  
: 1.01  
**Solubility in water** : Complete  
**Other solubility(ies)** : Not available.  
**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**  
: Not available.  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Viscosity** : Not available.  
**Volatiles (% by weight)** : Not available.  
**Volatile organic Compounds (VOC's)**  
: 0%  
**Absolute pressure of container**  
: Not available.  
**Flame projection length** : Not available.  
**Other physical/chemical comments**  
: None known or reported by the manufacturer.

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity** : The product is stable and non-reactive under normal conditions of use, storage and transport.  
**Chemical stability** : Stable under normal conditions.  
**Possibility of hazardous reactions**  
: Hazardous polymerization does not occur.  
**Conditions to avoid** : High temperatures.  
**Incompatible materials** : See Section 7 (Handling and Storage) for further details.  
**Hazardous decomposition products**  
: See Section 5 (Fire Fighting Measures).

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure:

**Routes of entry inhalation** : YES  
**Routes of entry skin & eye** : YES  
**Routes of entry Ingestion** : NO  
**Routes of exposure skin absorption**  
: YES

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### Potential Health Effects:

#### Signs and symptoms of short-term (acute) exposure

##### *Sign and symptoms Inhalation*

: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

##### *Sign and symptoms ingestion*

: No harmful effects expected in amounts likely to be ingested by accident.

##### *Sign and symptoms skin*

: None expected, when used as intended.

##### *Sign and symptoms eyes*

: None expected, when used as intended. Direct eye contact may cause temporary redness.

#### Potential Chronic Health Effects

: None expected, when used as intended.

#### Mutagenicity

: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

#### Carcinogenicity

: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive effects.

#### Sensitization to material

 : This product is not expected to cause respiratory sensitization.  
 This product is not expected to cause skin sensitization.

#### Specific target organ effects

: This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

#### Medical conditions aggravated by overexposure

: None reported by the manufacturer.

#### Synergistic materials

: None reported by the manufacturer.

#### Toxicological data

:

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u>	<u>LD<sub>50</sub></u>	
	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Ethoxylated nonylphenol	1310mg/kg	N/Av	>2000 mg/kg
Alkyl dimethyl benzyl ammonium chloride	N/Av	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides	N/Av	N/Av	N/Av

#### Other important toxicological hazards

: None reported by the manufacturer.

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

: Do not allow material to contaminate ground water system. The product is not classified as environmentally hazardous.

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**Ecotoxicity data:**

<u>Ingredients</u>	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Ethoxylated nonylphenol	9016-45-9	0.13 mg/L Bluegill (Lepomis macrochirus)	N/Av	N/Av
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	N/Av	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	N/Av	N/Av	N/Av

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Ethoxylated nonylphenol	9016-45-9	4.8 mg/L Water flea (Daphnia magna)	N/Av	N/Av
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	N/Av	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	N/Av	N/Av	N/Av

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Ethoxylated nonylphenol	9016-45-9	20 mg/L/72hr Green algae (Selastrum capricornutum)	8 mg/L/72hr Green algae (Selastrum capricornutum)	N/Av
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	N/Av	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	N/Av	N/Av	N/Av

**Persistence and degradability**

: No data is available on the product itself.

**Bioaccumulation potential**

: No data is available on the product itself.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Ethoxylated nonylphenol (CAS 9016-45-9)	N/Av	N/Av
Alkyl dimethyl benzyl ammonium chloride (CAS 68391-01-5)	N/Av	N/Av
alkyl dimethyl ethylbenzyl ammonium chlorides (CAS 68956-79-6)	N/Av	N/Av

**Mobility in soil**

: No data is available on the product itself.

**Other Adverse Environmental effects**

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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### SECTION 13. DISPOSAL CONSIDERATIONS

- Handling for Disposal** : Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
- Methods of Disposal** : Dispose of in accordance with local regulations. Empty container or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
- RCRA** : The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

### SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated. None Known.	not regulated	none	
<b>49CFR/DOT Additional information</b>	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
<b>ICAO/IATA Additional information</b>	None.				
IMDG	None.	Not regulated.	not regulated	none	
<b>IMDG Additional information</b>	None.				

**Special precautions for user** : None reported by the manufacturer.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
: Not established.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

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<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Ethoxylated nonylphenol	9016-45-9	Yes	N/Ap	N/Av	No	N/Ap
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	Yes	N/Ap	N/Av	No	N/Ap
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	Yes	N/Ap	N/Av	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Acute Health Hazard

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethoxylated nonylphenol	9016-45-9	No	N/Ap	No	No	No	No	No	No
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	No	N/Ap	No	No	No	No	No	No
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	No	N/Ap	No	No	No	No	No	No

**Canadian Information:**

All ingredients are listed on the DSL, or are exempted materials. Refer to Section 2 for a WHMIS Classification for this product.

**International Information:**

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Ethoxylated nonylphenol	9016-45-9	500-024-6	Present	Present	(7)-172	KE-26244	Present	HSR003054; HSNO Approval: HSR006598, HSR006618 (dilution)
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	269-919-4	Present	Present	(3)-2694	KE-00775	Present	HSR003609
alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	273-318-2	Present	Present	No data available.	2001-3-1988	Present	No data available.

**SECTION 16. OTHER INFORMATION**
**Legend**

: ACGIH: American Conference of Governmental Industrial Hygienists  
 CA: California  
 CAS: Chemical Abstract Services  
 CEPA: Canadian Environmental Protection Act  
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

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of 1980

CFR: Code of Federal Regulations

CPR: Controlled Products Regulation

CSA: Canadian Standards Association

DOT: Department of Transportation

DSL: Domestic Substances List

EPA: Environmental Protection Agency

HMIS: Hazardous Materials Identification System

HPA: Hazardous Products Act

HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Dangerous Goods

Inh: Inhalation

LC: Lethal Concentration

LD: Lethal Dose

MA: Massachusetts

MN: Minnesota

N/Ap: Not Applicable

N/Av: Not Available

NFPA: National Fire Protection Association

NIOSH: National Institute of Occupational Safety and Health

NJ: New Jersey

NOEC: No observable effect concentration

NTP: National Toxicology Program

OECD: Organisation for Economic Co-operation and Development

OEL: National occupational exposure limits

OSHA: Occupational Safety and Health Administration

PA: Pennsylvania

PEL: Permissible exposure limit

PPE: Personal Protective Equipment

RCRA: Resource Conservation and Recovery Act

RI: Rhode Island

RQ: Reportable Quantity

RTECS: Registry of Toxic Effects of Chemical Substances

SARA: Superfund Amendments and Reauthorization Act

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values

TWA: Time Weighted Average

WEL: Workplace Exposure Limit

WHMIS: Workplace Hazardous Materials Identification System

### References

1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
2. International Agency for Research on Cancer Monographs, searched 2016
3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, 2016(Chempendium, HSDB and RTECs).
4. Material Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists - 2016 version.
6. California Proposition 65 List - 2016 version.
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2016.

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### Other special considerations for handling

: Provide adequate information, instruction and training for operators.

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<p><b><u>Prepared for:</u></b> Safetec of America, Inc. 887 Kensington Avenue Buffalo, NY 14215 Telephone: 1-716-895-1822 www.safetec.com</p>	 <p><b>Safetec</b> Infection Control &amp; First Aid Products</p>
<p><b><u>Prepared by:</u></b> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	 <p><b>icc ComplianceCenter</b></p>

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**END OF DOCUMENT**

# Safety Data Sheet

## Arctic Gel 1010

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(30562100/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Arctic Gel 1010

#### Recommended use of the chemical and restriction on use

Recommended use\*: Absorbent

Suitable for use in industrial sector: chemical industry

\* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Chemical family: polyacrylic acid, sodium salt, crosslinked

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### 2. Hazards Identification

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

Combustible Dust      Combustible Dust (1)      Combustible Dust

#### Label elements

Signal Word:  
Warning

Hazard Statement:

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May form combustible dust concentration in air.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

### Emergency overview

CAUTION:  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

This product does not contain any components classified as hazardous under the referenced regulation.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
Trade Secret	>= 95.0 %	Proprietary acrylic polymer

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.

#### If on skin:

Wash thoroughly with soap and water. If irritation develops, seek medical attention.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

#### If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

### Most important symptoms and effects, both acute and delayed

Symptoms: No significant symptoms are expected due to the non-classification of the product.

### Indication of any immediate medical attention and special treatment needed

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### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide, water jet

Additional information:  
Avoid whirling up the material/product because of the danger of dust explosion.

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
Burning produces harmful and toxic fumes.

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

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## 6. Accidental release measures

### Further accidental release measures:

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

### Personal precautions, protective equipment and emergency procedures

Breathing protection required. Avoid dust formation.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

Nonsparking tools should be used.

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## 7. Handling and Storage

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

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Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid the formation and deposition of dust.

### Protection against fire and explosion:

Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

### Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container dry because product takes up the humidity of air.

Keep container tightly closed and dry; store in a cool place.

The packed product is not damaged by low temperatures or by frost.

The packed product will not be damaged by high temperatures.

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## 8. Exposure Controls/Personal Protection

### Advice on system design:

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

### Personal protective equipment

#### Respiratory protection:

Breathing protection if dusts are formed.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Tightly fitting safety goggles (chemical goggles).

#### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

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## 9. Physical and Chemical Properties

Form:	granules	
Odour:	odourless	
Colour:	white	
pH value:	approx. 6.0	
glass transition temperature:	approx. 140 °C	(approx. 101.3 hPa) The substance / product decomposes. The product has not been tested.

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Bulk density:	approx. 700 kg/m <sup>3</sup>
Thermal decomposition:	No decomposition if used as directed.
Solubility in water:	insoluble, only capable of swelling

### 10. Stability and Reactivity

#### Reactivity

Corrosion to metals:  
No corrosive effect on metal.

Minimum ignition energy:

The product is capable of dust explosion.

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### Possibility of hazardous reactions

The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

The product is stable if stored and handled as prescribed/indicated.

#### Conditions to avoid

Avoid humidity.

#### Incompatible materials

water

#### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: carbon monoxide, carbon dioxide, hydrocarbons

Thermal decomposition:

No decomposition if used as directed.

### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

##### Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

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### Dermal

Type of value: LD50  
Species: rat  
Value: > 2,000 mg/kg

### Irritation / corrosion

Assessment of irritating effects: Ingestion may cause irritation of the gastrointestinal tract. Contact with powders or dusts may irritate the eyes, skin and respiratory tract.

### Skin

Species: rabbit  
Result: non-irritant  
Method: OECD Guideline 404

### Eye

Species: rabbit  
Result: non-irritant  
Method: OECD Guideline 405

### Sensitization

No sensitizing effect.

## Chronic Toxicity/Effects

### Carcinogenicity

*Information on: Superabsorber sodium salt*

*Assessment of carcinogenicity: A chronic (2-year) lifetime inhalation study in rats with respirable superabsorber polymer dust (micronized to < 10 µm diameter) resulted in a non-specific inflammatory response in the lungs followed by tumor development in some rats in the highest chronic exposure level of 0.8 mg/m<sup>3</sup>. In the absence of chronic inflammation, tumours are not expected.*

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### Other Information

The statement was derived from products of similar composition.

## Symptoms of Exposure

No significant symptoms are expected due to the non-classification of the product.

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## 12. Ecological Information

### Toxicity

#### Toxicity to fish

LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD Guideline 203, static)

#### Aquatic invertebrates

EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

#### Aquatic plants

EC50 (72 h) > 100 mg/l, Desmodismus subspicatus (OECD Guideline 201)  
Nominal concentration.

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### Soil living organisms

Toxicity to soil dwelling organisms:  
LC50 > 1,000 mg/kg, Eisenia foetida (OECD Guideline 207)

### **Microorganisms/Effect on activated sludge**

#### Toxicity to microorganisms

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

### **Persistence and degradability**

#### Assessment biodegradation and elimination (H2O)

The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

### **Mobility in soil**

#### Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.  
Adsorption to solid soil phase is not expected.

### **Additional information**

The product contains: <= 20 (W/W) PPM total amount of heavy metal as Pb

Add. remarks environm. fate & pathway:

Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Other ecotoxicological advice:

Do not release untreated into natural waters. The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

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## **13. Disposal considerations**

### **Waste disposal of substance:**

Dispose of in accordance with local authority regulations. Incinerate in a licensed facility. Do not incinerate closed containers. Do not discharge into drains/surface waters/groundwater.

### **Container disposal:**

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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## **14. Transport Information**

### **Land transport**

USDOT

Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG

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Not classified as a dangerous good under transport regulations

### Air transport IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Fire (Combustible Dust);

#### NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

#### HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

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## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations  
SDS Prepared on: 2015/02/17

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