

# Safety Data Sheet

## Glucopon® 50 G

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Version: 3.0

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(30528605/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Glucopon® 50 G

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

Recommended use\*: Chemical

\* The "Recommended use" identified for this product is provided solely to comply with a 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

Synonyms: Alkyl Polyglycoside.

### 2. Hazards Identification

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

#### Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	2	Hazardous to the aquatic environment - acute
Combustible Dust	Combustible Dust (1)	Combustible Dust

#### Label elements

Pictogram:

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Signal Word:  
Danger

Hazard Statement:

H318 May form combustible dust concentration in air.  
Causes serious eye damage.  
H315 Causes skin irritation.  
H401 Toxic to aquatic life.

Precautionary Statements (Prevention):

P280 Wear protective gloves and eye/face protection.  
P273 Avoid release to the environment.  
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

The product is under certain conditions capable of dust explosion.

Labeling of special preparations (GHS):

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

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### 3. Composition / Information on Ingredients

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

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
110615-47-9	>= 25.0 - < 75.0%	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
1344-09-8	>= 3.0 - < 15.0%	Silicic acid, sodium salt
Trade Secret	>= 3.0 - < 7.0%	Sodium C12-18 alkyl sulfate

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### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

Remove contaminated clothing.

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### **If inhaled:**

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

### **If on skin:**

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

### **If in eyes:**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### **If swallowed:**

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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

#### 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:  
dry powder, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

#### 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:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### **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 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.

#### Further accidental release measures:

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

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

Avoid dust formation. Use personal protective clothing. Information regarding personal protective measures see, section 8.

#### **Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

Avoid raising dust. Dispose of absorbed material in accordance with regulations.

Nonsparking tools should be used.

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### 7. Handling and Storage

#### **Precautions for safe handling**

Closed containers should only be opened in well-ventilated areas.

#### 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. 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. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. 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**

Suitable materials for containers: Polypropylene (PP), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2), Stainless steel 1.4306 (V2A), Stainless steel 1.4361, Stainless steel 1.4401, Stainless steel 1.4541, Stainless steel 1.4571, Stove-lacquer RDL 50, Stainless steel 1.4439

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

#### Storage stability:

Storage temperature:  $\leq 40$  °C

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### 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

#### 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. Wear a NIOSH approved (or equivalent) particulate respirator if ventilation is inadequate to control dust.

##### Hand protection:

Chemical resistant protective gloves

##### Eye protection:

Tightly fitting safety goggles (chemical goggles).

##### Body protection:

Body protection must be chosen based on level of activity and exposure.

##### General safety and hygiene measures:

Wearing of closed work clothing is required additionally to the stated personal protection equipment. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

Form:	granules	
Odour:	product specific	
Odour threshold:	not determined	
Colour:	beige	
pH value:	approx. 10	(DIN EN 1262)
Melting point:	Study technically not feasible.	
Boiling point:	not determined	
Flash point:	Not determinable.	
Flammability:	not determined	
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Autoignition:	> 300 °C	
Vapour pressure:	not applicable	
Density:	Study does not need to be conducted.	
Relative density:	No data available.	
Bulk density:	approx. 800 g/l	(ISO 697)
Vapour density:	The product is a non-volatile solid.	
Partitioning coefficient n-octanol/water (log Pow):	Study does not need to be conducted.	

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Self-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	not applicable
Viscosity, kinematic:	not applicable, the product is a solid
Particle size:	No data available.
Solubility in water:	not soluble
Solubility (qualitative):	Appreciable (> 10% ) solvent(s): distilled water,
Evaporation rate:	The product is a non-volatile solid.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

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## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:  
not fire-propagating

### Chemical stability

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

### Possibility of hazardous reactions

Dust explosion hazard.

### Conditions to avoid

See MSDS section 7 - Handling and storage. Avoid dust formation. Avoid deposition of dust.

### Incompatible materials

acids, Alkalines, caustics, halogens, reactive chemicals

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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## 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: Considered practically non-toxic. No adverse health effects are known.

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Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (calculated)

### Inhalation

Type of value: LC50

Species: rat

Value: > 5 mg/l (calculated)

Determined for dust

### Dermal

Type of value: LD50

Species: rabbit

Value: > 5,000 mg/kg (OECD Guideline 402)

### Assessment other acute effects

No data available.

### Irritation / corrosion

*Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides*

*Assessment of irritating effects: Risk of serious damage to eyes. Skin contact causes irritation.*

### Skin

Species: rabbit

Result: Irritant.

Method: OECD Guideline 404

### Eye

Species: rabbit

Result: Risk of serious damage to eyes.

Method: similar to OECD guideline 405

### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

*Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides*

*Assessment of sensitization:*

*Skin sensitizing effects were not observed in animal studies.*

### Aspiration Hazard

not applicable

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: None known

*Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides*

*Assessment of repeated dose toxicity: No adverse effects were observed after repeated oral exposure in animal studies.*

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### Genetic toxicity

Assessment of mutagenicity: Based on available Data, the classification criteria are not met.

*Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides*

*Assessment of mutagenicity: Results from a number of mutagenicity studies with microorganisms and mammalian cell culture are available. Taking into account all of the information, there is no indication that the substance is mutagenic.*

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### Carcinogenicity

Assessment of carcinogenicity: Based on the ingredients there is no suspicion of a carcinogenic effect in humans.

*Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides*

*Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.*

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### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect.

*Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides*

*Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect.*

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### Teratogenicity

Assessment of teratogenicity: Based on available Data, the classification criteria are not met.

*Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides*

*Assessment of teratogenicity: In animal studies the substance did not cause malformations.*

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### Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Symptoms of Exposure**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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## 12. Ecological Information

### **Toxicity**

#### Toxicity to fish

LC50 (96 h) > 1 - 10 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1)



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### Aquatic invertebrates

EC50 (48 h) > 1 - 10 mg/l, Daphnia magna (Directive 92/69/EEC, C.2, static)

### Aquatic plants

EC50 (72 h) > 10 - 100 (growth rate), Desmodosmus subspicatus (OECD Guideline 201, static)

### Chronic toxicity to fish

No observed effect concentration (28 d) > 1 mg/l a.i., Brachydanio rerio (OECD Guideline 204, Flow through.)

Nominal concentration.

### Chronic toxicity to aquatic invertebrates

EC10 (21 d) > 1 mg/l, Daphnia magna (OECD Guideline 202, part 2, semistatic)

## Microorganisms/Effect on activated sludge

### Toxicity to microorganisms

EC0: > 100 mg/l

## Persistence and degradability

### Assessment biodegradation and elimination (H2O)

Readily biodegradable (according to OECD criteria).

## 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 possible.

## Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components. Do not discharge product into the environment without control.

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## 13. Disposal considerations

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

Must be disposed of or incinerated in accordance with local regulations.

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

### **Container disposal:**

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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## 14. Transport Information

### **Land transport**

USDOT

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Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

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):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

### State regulations

#### State RTK

PA

#### CAS Number

Trade Secret

#### Chemical name

Inorganic Metal Salt

#### NFPA Hazard codes:

Health: 2 Fire: 1 Reactivity: 0 Special:

#### HMIS III rating

Health: 2 Flammability: 1 Physical hazard: 0

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## 16. Other Information

#### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2017/12/05

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