

Safety Data Sheet

Glucopon® 425 N

Revision date : 2019/02/21

Version: 3.2

Page: 1/10

(30535813/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Glucopon® 425 N

Recommended use of the chemical and restriction on use

Recommended use*: surfactants, Chemical for detergents

Recommended use*: Chemical

Suitable for use in industrial sector: chemical industry

* 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

Chemical family: Glycosides

Synonyms: Alkylpolyglucoside

2. Hazards Identification

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

Classification of the product

Eye Dam./Irrit.

1

Serious eye damage/eye irritation

Aquatic Acute

3

Hazardous to the aquatic environment - acute

Label elements

Safety Data Sheet

Glucopon® 425 N

Revision date : 2019/02/21

Version: 3.2

Page: 2/10

(30535813/SDS_GEN_US/EN)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318 Causes serious eye damage.

H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P280 Wear eye/face protection.

P273 Avoid release to the environment.

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.

Precautionary Statements (Disposal):

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

Hazards not otherwise classified

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

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	15.0 - 25.0%	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
68515-73-1	25.0 - 35.0%	D-Glucopyranose, oligomers, decyl octyl glycosides
111-30-8	>= 0.01 - <= 0.1%	glutaral

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

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.

Safety Data Sheet

Glucopon® 425 N

Revision date : 2019/02/21
Version: 3.2

Page: 3/10
(30535813/SDS_GEN_US/EN)

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) symptoms and / or effects are not known so far

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.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

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:

If exposed to fire, keep containers cool by spraying with water. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).

Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

Spills should be contained, solidified, and placed in suitable containers for disposal.

Safety Data Sheet

Glucopon® 425 N

Revision date : 2019/02/21

Version: 3.2

Page: 4/10

(30535813/SDS_GEN_US/EN)

7. Handling and Storage

Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: polyethylene (PE), High density polyethylene (HDPE)

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

The packed product is not damaged by low temperatures or by frost. Bulk must be protected from solidification.

Protect from temperatures above: 70 °C

Properties of the product change irreversibly on exceeding the limit temperature.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

glutaral	OSHA PEL	CLV 0.2 ppm 0.8 mg/m ³ ;
	ACGIH TLV	CLV 0.05 ppm ;

Advice on system design:

Local exhaust ventilation preferred.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	liquid
Odour:	product specific

Safety Data Sheet

Glucopon® 425 N

Revision date : 2019/02/21
Version: 3.2

Page: 5/10
(30535813/SDS_GEN_US/EN)

Colour:	light yellow clear	
pH value:	8.5 (20 %(m))	(DIN EN 1262)
pour point:	approx. -5 °C	(DIN ISO 3016)
Flash point:	> 100 °C	(DIN ISO 2592)
Vapour pressure:	Aqueous preparation < 0.1 hPa	
Density:	approx. 1.109 g/cm3 (20 °C)	(DIN 51757 V 4 (MOD.); QP2322.0; Density)
	approx. 1.079 g/cm3 (70 °C)	(DIN 51757 V 4 (MOD.); QP2322.0; Density)
Relative density:	No data available.	
Partitioning coefficient n- octanol/water (log Pow):	not applicable	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	> 350 °C	
Viscosity, dynamic:	approx. 420 mPa.s (23 °C)	(DIN EN 12092)
	No data available. approx. 210 mPa.s (40 °C)	(DIN EN 12092)
Particle size:	The substance / product is marketed or used in a non solid or granular form.	
Solubility in water:	soluble	
Solubility (qualitative):	soluble	
	solvent(s): distilled water,	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

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

None if used for intended purpose.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

acids, Alkalines, caustics, halogens, oxidizing agents, reactive chemicals

Hazardous decomposition products

Decomposition products:

Safety Data Sheet

Glucopon® 425 N

Revision date : 2019/02/21

Version: 3.2

Page: 6/10

(30535813/SDS_GEN_US/EN)

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

Thermal decomposition:
> 350 °C

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: May be harmful if swallowed in large quantities. No data available. Virtually nontoxic after a single ingestion.

Oral

Type of value: LD50

Species: rat

Value: > 5.000 g/kg

Inhalation

Type of value: ATE

Value: > 20 mg/l

Determined for vapor

Type of value: ATE

Value: > 5 mg/l

Determined for mist

Dermal

Type of value: LD50

Species: rabbit

Value: > 5,000 mg/kg

Irritation / corrosion

Assessment of irritating effects: Causes skin irritation. Causes serious eye damage.

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

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

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides

Assessment of irritating effects: Risk of serious damage to eyes. Not irritating to the skin.

Skin

Species: rabbit

Result: Slightly irritating.

Method: Draize test

Eye

Species: rabbit

Safety Data Sheet

Glucopon® 425 N

Revision date : 2019/02/21
Version: 3.2

Page: 7/10
(30535813/SDS_GEN_US/EN)

Result: Severely irritating.
Method: Draize test

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: None known

Genetic toxicity

Genetic toxicity in vitro: negative

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

Other Information

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

Symptoms of Exposure

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

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish

LC50 > 10 - 100 mg/l

Aquatic invertebrates

EC50 (48 h) 10 - 100 mg/l, Daphnia magna

Aquatic plants

EC50 (72 h) 10 - 100 mg/l (growth rate), Desmodemus subspicatus

Chronic toxicity to fish

No observed effect concentration (28 d) > 1 mg/l, Brachydanio rerio (Flow through.)

Chronic toxicity to aquatic invertebrates

No observed effect concentration (21 d) > 1 mg/l, Daphnia magna

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).

Safety Data Sheet

Glucopon® 425 N

Revision date : 2019/02/21

Version: 3.2

Page: 8/10

(30535813/SDS_GEN_US/EN)

Assessment photodegradation

After evaporation or exposure to the air, the product will be rapidly degraded by photochemical processes.

Bioaccumulative potential

Assessment bioaccumulation potential

Significant accumulation in organisms is not to be expected.

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

Adsorbable organically-bound halogen (AOX):
This product contains no organically-bound halogen.

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 statement has been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport

USDOT

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

Safety Data Sheet

Glucopon® 425 N

Revision date : 2019/02/21
Version: 3.2

Page: 9/10
(30535813/SDS_GEN_US/EN)

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.

CERCLA RQ

1000 LBS

CAS Number

7664-93-9

Chemical name

Sulfuric acid

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including STRONG INORGANIC ACID MISTS CONTAINING SULFURIC ACID, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:

Health: 2 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 2 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2019/02/21

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Safety Data Sheet

Glucopon® 425 N

Revision date : 2019/02/21

Page: 10/10

Version: 3.2

(30535813/SDS_GEN_US/EN)

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