

# Safety Data Sheet

## Dehyquart® Guar N

Revision date : 2020/07/01

Version: 1.3

Page: 1/8

(30543530/SDS\_GEN\_CA/EN)

### 1. Identification

#### Product identifier used on the label

## Dehyquart® Guar N

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

Recommended use\*: cosmetic ingredient

Recommended use\*: Chemical

Unsuitable for use: Not intended for sale to or use by the general public.

\* 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 Canada Inc.

100 Milverton Drive

Mississauga, ON L5R 4H1, CANADA

Telephone: +1 289 360-1300

#### Emergency telephone number

CHEMTREC: 1-800-424-9300

BASF HOTLINE: (800) 454-COPE (2673)

#### Other means of identification

Synonyms: Quaternary compound.

---

### 2. Hazards Identification

#### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

#### Classification of the product

Combustible Dust

Combustible Dust (1)

Combustible Dust

#### Label elements

Signal Word:

Warning

# Safety Data Sheet

## Dehyquart® Guar N

Revision date : 2020/07/01  
Version: 1.3

Page: 2/8  
(30543530/SDS GEN CA/EN)

Hazard Statement:

May form combustible dust concentration in air.

### Hazards not otherwise classified

Fine dust can form an inflammable mixture together with air.

#### Labeling of special preparations (GHS):

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 0 - 10 % oral

---

### 3. Composition / Information on Ingredients

#### According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride  
CAS Number: 65497-29-2  
Content (W/W): 75.0 - 100.0%  
Synonym: No data available.

---

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

If adverse health effects develop seek medical attention.

##### If inhaled:

not relevant.

##### If on skin:

After contact with skin, wash immediately with plenty of water.

##### If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical attention.

##### If swallowed:

Rinse mouth and then drink 200-300 ml of water.

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

Symptoms: No applicable information available.

Hazards: No hazard is expected under intended use and appropriate handling.

#### 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.

---

# Safety Data Sheet

## Dehyquart® Guar N

Revision date : 2020/07/01  
Version: 1.3

Page: 3/8  
(30543530/SDS GEN CA/EN)

### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

#### 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:  
Wear a self-contained breathing apparatus.

#### Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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

---

### 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

Use personal protective clothing. Avoid dust formation.

#### Environmental precautions

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.  
Dispose of absorbed material in accordance with regulations.

Nonsparking tools should be used.

---

### 7. Handling and Storage

#### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

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

# Safety Data Sheet

## Dehyquart® Guar N

Revision date : 2020/07/01  
Version: 1.3

Page: 4/8  
(30543530/SDS GEN CA/EN)

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

Suitable materials for containers: Paper/Fibreboard, High density polyethylene (HDPE)

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

Storage stability:  
Storage temperature:  $\leq 30$  °C

---

## 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

### Advice on system design:

If dust formation caused by handling cannot be avoided Staubex equipment for plants may be necessary.

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:

In situations where dust may occur use appropriate certified respirators.

#### Hand protection:

Suitable are protective gloves with the following specification. The recommendation is valid for laboratory conditions, specific workplace conditions must be taken into consideration separately., Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding  $> 480$  minutes of permeation time according to EN 374);, nitrile rubber (NBR) - 0.2 mm coating thickness

#### Eye protection:

Safety glasses with side-shields.

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

#### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

---

# Safety Data Sheet

## Dehyquart® Guar N

Revision date : 2020/07/01  
Version: 1.3

Page: 5/8  
(30543530/SDS GEN CA/EN)

### 9. Physical and Chemical Properties

Form:	powder
Odour:	No data available.
Odour threshold:	not applicable
Colour:	yellowish
pH value:	9.0 - 10.5 (ISO 4316) ( 25 °C)
decomposition point:	> 160 °C
Flammability:	not flammable
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles
Lower explosion limit:	For solids not relevant for classification and labelling.
Upper explosion limit:	For solids not relevant for classification and labelling.
Autoignition:	not determined
Vapour pressure:	not applicable
Bulk density:	approx. 700 kg/m <sup>3</sup>
Vapour density:	not applicable
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Self-ignition temperature:	not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	>= 3,000 mPa*s ( 25 °C)
Viscosity, kinematic:	not applicable, the product is a solid
Solubility in water:	soluble, gel formation
Solubility (qualitative):	soluble, forms a gel 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. No further information available.

### 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

Reacts with oxidizing agents. Reacts with strong acids. Reacts with bases.

#### Conditions to avoid

See SDS section 7 - Handling and storage.

#### Incompatible materials

No substances known that should be avoided.

# Safety Data Sheet

## Dehyquart® Guar N

Revision date : 2020/07/01  
Version: 1.3

Page: 6/8  
(30543530/SDS GEN CA/EN)

### 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.

---

## 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.

#### Oral

Type of value: LD50

Value: > 2,000 mg/kg (OECD Guideline 401)

#### Assessment other acute effects

Assessment of STOT single:

Based on available Data, the classification criteria are not met.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to the eyes.

Not irritating to the skin.

#### Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

#### Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

#### Sensitization

Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

#### Aspiration Hazard

No aspiration hazard expected.

### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity: The information available on the product provides no indication of toxicity on target organs after repeated exposure.

# Safety Data Sheet

## Dehyquart® Guar N

Revision date : 2020/07/01  
Version: 1.3

Page: 7/8  
(30543530/SDS GEN CA/EN)

### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Genetic toxicity in vitro: OECD Guideline 471 Ames-test Salmonella typhimurium:negative

### Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

### Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

### Teratogenicity

Assessment of teratogenicity: No data was available concerning toxicity to development.

---

## 12. Ecological Information

### **Toxicity**

#### Toxicity to fish

LC50 > 100 mg/l, Brachydanio rerio (DIN EN ISO 7346-2)

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

#### Toxicity to microorganisms

OECD Guideline 209 bacterium/EC0: > 100 mg/l

### **Persistence and degradability**

#### Assessment biodegradation and elimination (H2O)

readily biodegradable, but failing 10d window

### **Bioaccumulative potential**

#### Assessment bioaccumulation potential

No data available.

### **Mobility in soil**

#### Assessment transport between environmental compartments

not applicable

---

## 13. Disposal considerations

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

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

### **Container disposal:**

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

# Safety Data Sheet

## Dehyquart® Guar N

Revision date : 2020/07/01  
Version: 1.3

Page: 8/8  
(30543530/SDS\_GEN\_CA/EN)

---

### 14. Transport Information

**Land transport**  
TDG

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

---

### 15. Regulatory Information

**Federal Regulations**

**Registration status:**

Chemical DSL, CA released / listed

Cosmetic DSL, CA released / listed

**NFPA Hazard codes:**

Health: 0 Fire: 1 Reactivity: 0 Special:

---

### 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2020/07/01

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

---

Dehyquart® Guar N is a registered trademark of BASF Canada or BASF SE  
END OF DATA SHEET