

COLLABOND 8017 IQ

Version 4.0 replaces version 3.0
Print date: 13.07.2016
Revision date: 12.07.2016

Section 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier** **COLLABOND 8017 IQ**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified uses gluing
- 1.3 Supplier** AGRANA Stärke GmbH.
Conrathstraße 7, A-3950 Gmünd
Phone: +43 2852 503 – 0
Fax: + 43 2852 503 – 19420
Competent person Email: info.staerke@agrana.com
- 1.4 Emergency telephone number** **Austrian toxicity information center Vienna:**
+43 1 406 43 43
available 0-24 h

Section 2: Hazards identification

- 2.1 Classification of the substance or mixture**
▪ **According to regulation (EC) Nr. 1272/2008**
The mixture is not classified as dangerous.
- 2.2 Label elements**
n.a.
- 2.3 Other hazards**
Product forms slippery surfaces in combination with water.
Fine dust of this product can form explosive mixtures with air.

Section 3: Composition/information on ingredients

- 3.2 Mixtures**
▪ **Chemical characterization**

Chemical name	CAS # / EC # / Index #	%w/w	Classification acc. to	
			(EC) No. 1272/2008*	
modified starch	58944-89-1 / 232-679-6 / ---	≥ 99	---	---
wetting agent	147993-63-3 / ---/ ---/	≤ 0,5	Skin Corr./Irr. 2 Aqu. Acute 1 Aqu. Chronic 2	H315 H400 H411

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biocide (2-Bromo-2-nitropropane-1,3-diol)	52-51-7/ 200-143-0/ 603-085-00-8	≤ 0,05	Eye dam. 1 Aquatic acute 1 Aquatic chronic. 1 Acute Tox. 4 Acute Tox. 4 Skin irrit. 2 STOT SE 3	H318 H400 H410 H302 H312 H315 H335
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* Full text of hazard statements: see section 16.

Section 4: First aid measures

4.1 Description of first aid measures

Seek medical advice.

Never give anything by mouth to an unconscious person or a person with cramps.
Change contaminated, saturated clothing.

- **In case of inhalation of dust**

Provide fresh air. Consult a physician, if symptoms such as indisposition, cough or irritation occur.

If unconscious place and transport in recovery position.

- **In case of skin contact**

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

Change contaminated, saturated clothing. Consult a physician if symptoms occur.

- **In case of eye contact**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult a physician. If symptoms occur.

- **In case of ingestion**

Rinse mouth with cold water and then drink plenty of water. Avoid vomiting. Consult a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Can cause irritation to skin, eyes and mucous membrane.

4.3 Indication of any immediate medical attention and special treatment needed

Depending on the condition of the patients, the doctor must assess the symptoms and the overall general condition.

Section 5: Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media**

CO₂, foam, dry powder

Water spray only limited suitable. Product forms slippery surfaces in combination with water.

5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of CO_x, NO_x, brominated compounds

Product forms slippery surfaces in combination with water.

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5.3 Advice for firefighters

Special protective equipment: Wear a self-contained breathing apparatus and chemical protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Restricted access to contaminated areas, until cleaning work is finished.
Wear personal protection equipment.
Avoid contact with skin and eyes. Provide adequate ventilation. Do not breathe dust.
Avoid formation of dust – danger of dust explosion.
Product forms slippery surface with water.

6.2 Environmental precautions

Do not allow to enter into drains/surface water/groundwater.

6.3 Methods and material for containment and cleaning up

Clean dry. Avoid generation of dust. Wash away remaining material carefully with plenty of water.
Treat the recovered material as prescribed in the section on waste disposal (section 13).

6.4 Reference to other sections

See protective measures under section 8 and disposal under section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Provide adequate ventilation. Avoid contact with skin and eyes.
Keep containers tightly closed.
Avoid generation of dust – do not breathe dust.
Observe protective measures and safety instructions.

7.2 Conditions for safe storage, including any incompatibilities

▪ Precautions against fire and explosion

Keep away from sources of ignition – No smoking.
Take precautionary measures against static discharge.

▪ Requirements on storage and packaging/containers

Keep dry. Protect from heat.
Provide adequate ventilation.
Keep in the original container.

▪ Incompatibility with materials

No information available.

▪ Conditions of storage

Room temperature.

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7.3 Specific end use(s)

Gluing.

Section 8: Exposure controls/personal protection

8.1 Control parameters

DNEL

52-51-7 2-Bromo-2-nitropropane-1,3-diol
0.204 mg/kg – exposure: dermal – long term
1.789 mg/m³ - exposure: inhalation – long term

8.2 Exposure control

▪ General protection and hygiene measures

When handling with chemical substances observe usual precautionary measures.
Keep away of foods and drinks.
When using do not eat and drink. Wash hands after working with product.
Avoid contact with eyes and skin.
Do not breathe dust. Change contaminated, saturated clothing and wash before reuse.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be inquired at the respective supplier.

▪ Respiratory protection

Wear dust mask during formation of dust or when occupational exposure limits are exceeded.

▪ Hand protection

Wear protective gloves (e.g. nitril rubber)

The selection of suitable gloves depends not only on the material, but also on other quality characteristics. Breakthrough times and swelling properties of the material must be taken into consideration.

▪ Eye protection

Close-fitting protective goggles.

▪ Body protection

Working clothes.

▪ Environment exposure control measures

Do not allow to enter into drains/surface water/groundwater.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state / Appearance	solid
Colour	yellowish

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Odour	typical
Odour threshold	No information available.
pH value	approx. 7.5 (16.7% s.b., 20°C)
Melting point/freezing point	n.a.
Initial boiling point/range	n.a.
Flash point	n.a.
Flammability (solid, gas)	not flammable
Evaporation rate	n.a.
Upper explosive limits	No information available.
Lower explosive limits	No information available.
Vapour pressure (50 °C)	n.a.
Bulk density	approx. 0.65 g/cm ³
Solubility in water (20 °C)	colloidally soluble
Partition coefficient: n-octanol/water	No information available.
Ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity (20 °C)	approx. 1750 mPas (16.7% s.b.)
Explosive properties	The product itself is not explosive, but fine dust can form explosive mixtures with air.
Oxidising properties	No information available.

9.2 Other information

None.

Section 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known if used as prescribed.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Danger of dust explosion.

10.4 Conditions to avoid

Avoid generation of dust. Keep away from sources of ignition.

10.5 Incompatible materials

No information available.

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10.6 Hazardous decomposition products

No decomposition if used as prescribed.

Section 11: Toxicological information

11.1 Information on toxicological effects

No toxicity studies have been conducted on this product.

- **LD₅₀ values of single components relevant for classification**

wetting agent

LD₅₀ oral (rat): > 2000 mg/kg

LD₅₀ dermal (rat): n.d.

biocide

LD₅₀ oral (ATE mix / calculated): > 2000 mg/kg

LD₅₀ dermal (ATE mix / calculated): > 5000 mg/kg

- **Irritant and corrosive effects**

n.a.

- **Sensitization**

No sensitization expected.

- **Carcinogenicity**

The product does not contain substances in a concentration equal or higher than 0.1% which are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).

- **Mutagenicity**

The product does not contain substances in a concentration or equal or higher than 0.1% which are classified as mutagens.

- **Reproductive toxicity**

The product does not contain substances in a concentration or equal or higher than 0.1% which are classified as toxic for reproduction.

- **Other information**

The mixture was classified on the basis of the calculation procedure of the CLP-Regulation (EC) 1272/2008 Annex I.

Section 12: Ecological information

12.1 Toxicity

No ecotoxicity studies have been conducted on this product.

The mixture was classified on the basis of the calculation procedure of the CLP-Regulation (EC) 1272/2008.

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▪ Aquatic Toxicity of ingredients

wetting agent

LC₅₀ fish (96 h): > 0.1 - 1 mg/l
EC₅₀ crustacea (48 h): n.d.

biocide

LC₅₀ fish (96 h): 3.0 mg/l
EC₅₀ crustacea (48 h): 1.04 mg/l

12.2 Persistence and degradability

modified starch

Biodegradability is expected.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Do not allow to enter into drains/surface water/groundwater.

The release of larger quantities of the product in water may lead to a change in the pH value and may therefore damage the ecosystem.

The mixture is not anticipated to pose any environmental hazard after neutralization and dilution.

Section 13: Disposal considerations

13.1 Waste treatment methods

Any disposal practice must be in compliance with all local and national laws and regulations. Customers are advised to check their local legislation governing the disposal of waste materials.

If this mixture becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code. Use only authorized contractors.

Do not allow to enter into drains/surface water/groundwater.

- **European waste catalogue** (complies with UVEK valid for CH)

16 03 05* (organic wastes containing dangerous substances)

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

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- **Uncleaned packaging**

Recommendation: After complete emptying and cleaning, send to be reconditioned or recycled.

Section 14: Transport information

No dangerous good in sense of the transport regulation for land, air and sea.

14.1 UN number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety Data Sheet according to REACH – Regulation (EC) No. 1907/2006.
The mixture was classified on the basis of the calculation procedure of the CLP-Regulation (EC) 1272/2008 (Annex 1).

Registration of modified starch:

Modified starch as a polymer is exempt from registration according to REACH Regulation (EC) No. 1907/2006 article 2(9).

National Regulations:

Germany:

Water hazard class acc. to VwVwS dated 17.05.1999/ Annex 4
WGK 1 (weakly water-endangering)

15.2 Chemical safety assessment

Not available for the mixture.

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Section 16: Other information

The information contained herein is based on the present state of our knowledge. It does not represent a guarantee of the properties of the product and does not establish a legally valid contractual relationship. It characterizes the product with regard to the appropriate safety precautions.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. All materials may present unknown hazards and should be used with caution and only for identified uses as prescribed in section 1.

The mixture was classified on the basis of the calculation procedure of the CLP- Regulation (EC) 1272/2008 (Annex 1). The classifications of ingredients are based on CLP-Regulation Annex VI and manufacturer's data and additional information of hazardous substances database and the European Chemical Agency.

▪ Relevant hazard statements

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long-lasting effects.
H411	Toxic to aquatic life with long-lasting effects.

- **Version** Version 4.0 replaces V 3.0 from 18.08.2014
Updates in sections 3.2, 8.1, 11.1, 12.1
- **Created by** QC
- **Abbreviations** n.a. not applicable
n.d. not determined
PBT persistent, bioaccumulative, toxic
vPvB very persistent, very bioaccumulative