

# Safety Data Sheet

## Golpanol® BMP

Revision date : 2018/06/28

Version: 5.0

Page: 1/10

(30050750/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Golpanol® BMP

#### 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

Molecular formula: C<sub>7</sub>H<sub>12</sub>O<sub>3</sub>  
Chemical family: unspecified

### 2. Hazards Identification

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

#### Classification of the product

Acute Tox.	3 (oral)	Acute toxicity
Skin Sens.	1	Skin sensitization
STOT RE	2	Specific target organ toxicity — repeated exposure

#### Label elements

Pictogram:

# Safety Data Sheet

## Golpanol® BMP

Revision date : 2018/06/28  
Version: 5.0

Page: 2/10  
(30050750/SDS\_GEN\_US/EN)



Signal Word:  
Danger

### Hazard Statement:

H301 Toxic if swallowed.  
H317 May cause an allergic skin reaction.  
H373 May cause damage to organs through prolonged or repeated exposure.

### Precautionary Statements (Prevention):

P280 Wear protective gloves.  
P260 Do not breathe dust/gas/mist/vapours.  
P264 Wash with plenty of water and soap thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.

### Precautionary Statements (Response):

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P314 Get medical advice/attention if you feel unwell.  
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.  
P333 + P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.  
P330 Rinse mouth.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

### Precautionary Statements (Storage):

P405 Store locked up.

### 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.

### Labeling of special preparations (GHS):

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 90 - 91 % dermal

---

## 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>
110-65-6	>= 7.0 - < 15.0%	but-2-yne-1,4-diol

---

## 4. First-Aid Measures

### Description of first aid measures

# Safety Data Sheet

## Golpanol® BMP

Revision date : 2018/06/28  
Version: 5.0

Page: 3/10  
(30050750/SDS\_GEN\_US/EN)

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

### If on skin:

Immediately wash thoroughly with soap and water, seek medical attention.

### If in eyes:

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

### 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.
------------	---

---

## 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:

The degree of risk is governed by the burning substance and the fire conditions. 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.

# Safety Data Sheet

## Golpanol® BMP

Revision date : 2018/06/28  
Version: 5.0

Page: 4/10  
(30050750/SDS\_GEN\_US/EN)

### 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.

Place absorbed material in the same container as the spilled substance/product for disposal.

---

## 7. Handling and Storage

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

Suitable materials for containers: Low density polyethylene (LDPE), glass, High density polyethylene (HDPE), Aluminium, Carbon steel (Iron)

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

---

## 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

### Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

### Personal protective equipment

#### Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

#### 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:

Wearing of closed work clothing is required additionally to the stated personal protection equipment.  
Wash soiled clothing immediately.

---

# Safety Data Sheet

## Golpanol® BMP

Revision date : 2018/06/28

Version: 5.0

Page: 5/10

(30050750/SDS\_GEN\_US/EN)

### 9. Physical and Chemical Properties

Form:	liquid	
Odour:	product specific	
Odour threshold:	No data available.	
Colour:	brown	
pH value:	7.5 - 10.5 ( 100 g/l, 23 °C)	(DIN ISO 976)
glass transition temperature:	-70 °C	
boiling temperature:	approx. 250 °C	
Flash point:	150 °C	(DIN 51758)
Flammability:	No data available.	
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	> 200 °C	(DIN 51794)
Vapour pressure:	1.1 hPa ( 20 °C)	(OECD Guideline 104)
Density:	1.09 - 1.1 g/cm3 ( 23 °C)	(DIN 51757)
Relative density:	1.0920 ( 20 °C)	(OECD Guideline 109)
Vapour density:	not determined	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	
Thermal decomposition:	not determined	
Viscosity, dynamic:	not determined	
Particle size:	The substance / product is marketed or used in a non solid or granular form.	
Solubility in water:	completely soluble	
Solubility (qualitative):	soluble	
Evaporation rate:	solvent(s): polar solvents, Value can be approximated from Henry's Law Constant or vapor pressure.	
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.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

#### Chemical stability

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

# Safety Data Sheet

## Golpanol® BMP

Revision date : 2018/06/28  
Version: 5.0

Page: 6/10  
(30050750/SDS\_GEN\_US/EN)

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.  
The product is chemically stable.

### Conditions to avoid

No conditions known that should be avoided.

### Incompatible materials

heavy metal salts, alkalies, oxidizing agents, bases, acids

### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:  
not determined

---

## 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: Of pronounced toxicity after single ingestion.

Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Oral

Type of value: LD50

Species: rat

Value: 50 - 300 mg/kg

*Information on: but-2-yne-1,4-diol*

*Type of value: LD50*

*Species: rat*

*Value: 132 mg/kg (OECD Guideline 401)*

#### Dermal

Type of value: LD50

Species: rat

not determined

#### Assessment other acute effects

No data available.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin.

# Safety Data Sheet

## Golpanol® BMP

Revision date : 2018/06/28  
Version: 5.0

Page: 7/10  
(30050750/SDS\_GEN\_US/EN)

### Skin

Species: rabbit  
Result: non-irritant  
Method: BASF-Test

### Eye

Species: rabbit  
Result: non-irritant  
Method: BASF-Test

### Sensitization

Assessment of sensitization: Sensitization after skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: but-2-yne-1,4-diol*

*Assessment of sensitization:*

*Sensitization after skin contact possible. EU-classification*

### Aspiration Hazard

No aspiration hazard expected.

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated oral exposure may affect certain organs. The product has not been tested. The statement has been derived from the properties of the individual components.

### Genetic toxicity

Assessment of mutagenicity: No data available.

### Carcinogenicity

Assessment of carcinogenicity: No data available.

### Reproductive toxicity

Assessment of reproduction toxicity: No data available.

### Teratogenicity

Assessment of teratogenicity: No data available.

## 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.

---

## 12. Ecological Information

### Toxicity

#### Toxicity to fish

LC50 (96 h) > 100 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static)

#### Aquatic invertebrates

LC50 (48 h), daphnia  
not determined

# Safety Data Sheet

## Golpanol® BMP

Revision date : 2018/06/28  
Version: 5.0

Page: 8/10  
(30050750/SDS\_GEN\_US/EN)

### Aquatic plants

EC50 (72 h), algae  
not determined

### Chronic toxicity to fish

No data available.

### Chronic toxicity to aquatic invertebrates

No data available.

### Assessment of terrestrial toxicity

No data available concerning terrestrial toxicity.

## Microorganisms/Effect on activated sludge

### Toxicity to microorganisms

DIN 38412 Part 8 EC10 (17 h): > 10,000 mg/l  
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

## Persistence and degradability

### Elimination information

40 - 50 % DOC reduction (OECD 301 A (new version)) Moderately/partially biodegradable.

## 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

### Sum parameter

Chemical oxygen demand (COD): 1,940 mg/g

Biochemical oxygen demand (BOD): 210 mg/g

Add. remarks environm. fate & pathway:

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

---

## 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.



# Safety Data Sheet

## Golpanol® BMP

Revision date : 2018/06/28  
Version: 5.0

Page: 9/10  
(30050750/SDS\_GEN\_US/EN)

### 14. Transport Information

#### Land transport

USDOT

Hazard class: 6.1  
Packing group: III  
ID number: UN 2810  
Hazard label: 6.1  
Proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S. (contains BUTINDIOL-PROPYLENEGLYCOL ETHER)

#### Sea transport

IMDG

Hazard class: 6.1  
Packing group: III  
ID number: UN 2810  
Hazard label: 6.1  
Marine pollutant: NO  
Proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S. (contains BUTINDIOL-PROPYLENEGLYCOL ETHER)

#### Air transport

IATA/ICAO

Hazard class: 6.1  
Packing group: III  
ID number: UN 2810  
Hazard label: 6.1  
Proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S. (contains BUTINDIOL-PROPYLENEGLYCOL ETHER)

### 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.

##### NFPA Hazard codes:

Health: 3 Fire: 1 Reactivity: 0 Special:

##### HMIS III rating

Health: 3 Flammability: 1 Physical hazard: 0

### 16. Other Information

SDS Prepared by:

# Safety Data Sheet

## Golpanol® BMP

Revision date : 2018/06/28

Version: 5.0

Page: 10/10

(30050750/SDS\_GEN\_US/EN)

BASF NA Product Regulations

SDS Prepared on: 2018/06/28

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.

Golpanol® BMP is a registered trademark of BASF Corporation or BASF SE  
IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.  
END OF DATA SHEET