

# SAFETY DATA SHEET

## GlowCheck

Version 1.5      Revision Date: 09.09.2021      SDS Number: R11541      Date of last issue: 02.06.2020  
Date of first issue: 21.02.2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GlowCheck

#### Manufacturer or supplier's details

Manufacturer : BODE Chemie GmbH  
Melanchthonstraße 27  
22525 Hamburg (Germany)  
Tel.: +49 (0)40 / 54 00 60

Supplier : PAUL HARTMANN B.V.  
Kerkenbos 11-03d  
NL-6500 AA Nijmegen  
Netherlands  
Tel.: +31 (0)24 711 2689

Responsible Department : eddy.verharen@hartmann.info

Emergency telephone number : Nationaal Vergiftigingen Informatie Centrum (NVIC)  
Rijksinstituut voor Volksgezondheid en Milieu  
Postbus 1, NL-3720 BA Bilthoven  
Netherlands  
24h-Phone +31 30 - 274 88 88

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

Recommended use : For further information, refer to the product technical data sheet.

Restrictions on use : Restricted to professional users.

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Ethanol	64-17-5	>= 1 - < 10
2-butoxyethanol	111-76-2	>= 1 - < 10

### 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

If inhaled : If breathed in, move person into fresh air.

In case of skin contact : Wash off with soap and water.

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- In case of eye contact : Immediately flush eye(s) with plenty of water.
- If swallowed : Do NOT induce vomiting.  
Rinse mouth.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet  
Dry powder  
Foam  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : none
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Standard procedure for chemical fires.
- Special protective equipment for firefighters : Use personal protective equipment.  
In the event of fire, wear self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Should not be released into the environment.
- Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.  
Flush with water.

### 7. HANDLING AND STORAGE

- Conditions for safe storage : Store at room temperature in the original container.
- Materials to avoid : Keep away from food and drink.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	STEL	1.000 ppm	ACGIH
2-butoxyethanol	111-76-2	TWA	20 ppm	ACGIH

#### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-butoxyethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as)	200 mg/g Creatinine	ACGIH BEI

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				possible after exposure ceases)		
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### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Nitrile rubber

Material : Protective gloves complying with EN 374.

Break through time : > 480 min

Glove thickness : 0,35 mm

Remarks : Nitrile rubber

Skin and body protection : Work uniform or laboratory coat.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous

Colour : colourless

Odour : alcohol-like

pH : 7,5 (20 °C)

Melting point/range : not determined

Boiling point/boiling range : not determined

Flash point : 75 °C

Density : 0,975 g/cm<sup>3</sup> (20 °C)

Solubility(ies)

Water solubility : completely miscible

Viscosity

Viscosity, dynamic : 2 mPa.s ( 20 °C)

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### 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : The product is chemically stable.

Possibility of hazardous reactions : None reasonably foreseeable.

Conditions to avoid : Heat  
Strong sunlight for prolonged periods.

Incompatible materials : Strong reducing agents  
Strong oxidizing agents

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Components:****Ethanol (CAS: 64-17-5):**

Acute oral toxicity : LD50 Oral (Rat): 10.470 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 51 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403

**2-butoxyethanol (CAS: 111-76-2):**

Acute oral toxicity : Acute toxicity estimate: 1.200 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: 3 mg/l  
Test atmosphere: vapour

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Result : No skin irritation

**Components:****Ethanol (CAS: 64-17-5):**

Species : human skin  
Result : Mild skin irritation  
Remarks : Based on available data, the classification criteria are not met.

**2-butoxyethanol (CAS: 111-76-2):**

Species : Rabbit  
Result : Skin irritation

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Result : No eye irritation

**Components:****Ethanol (CAS: 64-17-5):**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Irritating to eyes.

**2-butoxyethanol (CAS: 111-76-2):**

Species : Rabbit  
Exposure time : 24 h  
Result : Eye irritation

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### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

#### Product:

Result : Does not cause skin sensitisation.

#### Components:

##### Ethanol (CAS: 64-17-5):

Species : Mouse  
Method : OECD Test Guideline 429  
Result : Does not cause skin sensitisation.

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Repeated dose toxicity

No data available

### Aspiration toxicity

Not classified based on available information.

### Experience with human exposure

No data available

### Toxicology, Metabolism, Distribution

No data available

### Neurological effects

No data available

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No data available

#### Components:

##### Ethanol (CAS: 64-17-5):

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- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 11.200 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 9.268 mg/l  
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- NOEC (Chlorella vulgaris (Fresh water algae)): 9,6 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### Persistence and degradability

#### Product:

- Biodegradability : Remarks: No data available

#### Components:

##### **Ethanol (CAS: 64-17-5):**

- Biodegradability : Result: Readily biodegradable.

### Bioaccumulative potential

#### Product:

- Bioaccumulation : Remarks: No data available

#### Components:

##### **Ethanol (CAS: 64-17-5):**

- Partition coefficient: n-octanol/water : log Pow: -0,35

##### **2-butoxyethanol (CAS: 111-76-2):**

- Partition coefficient: n-octanol/water : log Pow: 0,83

### Mobility in soil

#### Product:

- Distribution among environmental compartments : Remarks: No data available

### Other adverse effects

#### Product:

- Adsorbed organic bound halogens (AOX) : Remarks: Product does not contain any organic halogens.

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## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

- Waste from residues : In accordance with local and national regulations.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

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Contaminated packaging : Empty remaining contents.  
Store containers and offer for recycling of material when in accordance with the local regulations.

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### 14. TRANSPORT INFORMATION

**ADR**

Not regulated as a dangerous good

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to IMO instruments**

Not applicable for product as supplied.

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### 15. REGULATORY INFORMATION

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

**Other international regulations**

**International Regulations**

**The components of this product are reported in the following inventories:**

TSCA : All substances listed as active on the TSCA inventory

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### 16. OTHER INFORMATION

**Safety datasheet sections which have been updated:**

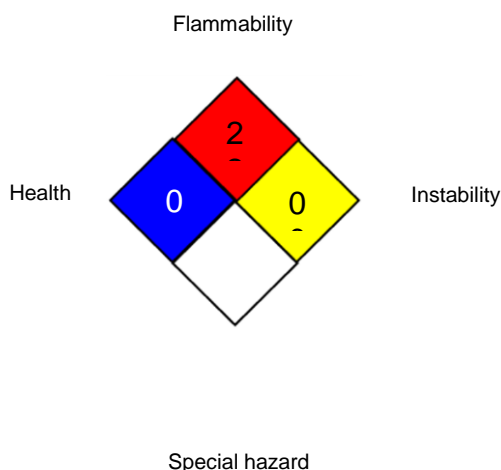
8. Exposure controls/personal protection

**Further information**

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### NFPA:



### HMIS® IV:

HEALTH	/	0
FLAMMABILITY		2
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit

AIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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