

# Material Safety Data Sheet

according to EC-Regulation No. 1272/2008

updated: 12/2020

Version: 1.0

## Section I - Product and Company Information

Product Name	2-Deoxy-D-Glucose
Product Number	PK-CA577-B1048-500
Product Classification	Cell Biology Reagents
Company and Contact Information	PromoCell GmbH Sickingenstrasse 63/65 69126 Heidelberg Germany Phone: +49 6221 – 649 34 0 E-mail: info@promocell.com

## Section II - Formulation and Ingredients Information

**Chemical Formula:** See data sheet of respective product.  
**Molecular Weight:** See data sheet of respective product.  
**Volume/Size:** See data sheet of respective product.  
**Formulation/Appearance:** See data sheet of respective product.  
**CAS-Number:** See data sheet of respective product.  
**EC-Number:** See data sheet of respective product.

## Section III - Potential Hazards Information

Classification of substance or mixture	Not a hazardous substance or mixture.
GHS classification	Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008.
GHS labeling	Does not need to be labeled in accordance with EC directives or respective national laws.
Special hazards	None.

**OSHA Hazards:** No known OSHA hazards.  
**GHS Classification:** Not a dangerous substance according to GHS.  
GHS Label elements, including precautionary statements  
**Pictogram:** none  
**Signal word:** none  
**Hazard statement(s):** none  
**Precautionary statement(s):** none

### HMIS Classification

**Health hazard:** 0  
**Flammability:** 0  
**Physical hazards:** 0

### NFPA Rating

**Health Hazard:** 0  
**Fire:** 0  
**Reactivity Hazard:** 0

### Potential Health Effects

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin:** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes:** May cause eye irritation.  
**Ingestion:** May be harmful if swallowed.

## Section IV – First Aid Measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

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

**In case of eye contact:** Flush eyes with water as precaution.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

## Section V – Fire-Fighting Measures

**Condition of flammability:** Not known to be flammable or combustible.\*

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Hazardous combustion products:** Hazardous combustion products formed under fire conditions— no data available.\*

\***Note:** For up-to-date information, we recommend to check the substance using a chemical data base such as the OSHA Occupational Chemical Database.

## Section VI – Accidental Release Measures

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, gas, or dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## Section VII – Handling and Storage

### Precautions for safe handling

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: -20 °C. Store under inert gas.

## Section VIII – Exposure Controls/Personal Protection

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

#### Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

#### Hygiene measures

General industrial hygiene practice.

## Section IX – Physical and Chemical Properties

<b>Appearance:</b>	See data sheet
<b>pH:</b>	No data available
<b>Solubility:</b>	See data sheet
<b>Boiling Point (°C)</b>	No data available
<b>Melting Point (°C)</b>	No data available
<b>Flash Point (°C):</b>	No data available
<b>Ignition Temperature (°C):</b>	No data available
<b>Density:</b>	No data available

**Note:** For up-to-date information on physical and chemical properties, we recommend to check the substance using a chemical data base such as the OSHA Occupational Chemical Database.

## Section X – Stability and Reactivity

<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	No data available.
<b>Materials to avoid:</b>	Strong oxidizing agents.
<b>Hazardous decomposition products:</b>	No data available. Decomposition products might be carbon oxides, nitrogen oxides, hydrogen fluoride, hydrogen bromide, hydrogen chloride gas. For up-to-date information, we recommend to check the substance using a chemical data base such as the OSHA Occupational Chemical Database or the EPA CompTox Chemicals Dashboard.

## Section XI – Toxicological Information

**Acute toxicity:** No data available. For up-to-date information, we recommend to check the substance using a chemical toxicity data base such as the EPA Toxicity Reference Database (ToxRefDB), the NIH TOXNET data base, or [www.echemportal.org](http://www.echemportal.org).

**Skin corrosion/irritation:** No data available.

**Serious eye damage/eye irritation:** No data available.

**Respiratory or skin sensitization:** No data available.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available.

**Teratogenicity:** No data available.

**Specific target organ toxicity – single exposure (GHS):** No data available.

**Specific target organ toxicity – repeated exposure (GHS):** No data available.

**Aspiration hazard:** No data available.

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects:** No data available.

**Additional information:** RTECS: Not available.

**Note:** For up-to-date information, we recommend to check the substance using a chemical data base such as the OSHA Occupational Chemical Database.

## Section XII – Ecological Information

**Persistence and degradability:** No data available.

**Toxicity:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**PBT and vPvB assessment:** No data available.

**Other adverse effects:** No data available.

**Note:** For up-to-date information, we recommend to check substance using a chemical toxicity data base such as the EPA ECOTOX database.

## Section XIII – Disposal Information

**Product:** Observe all federal, state, and local environmental regulations.

**Contaminated packaging:** Dispose of as unused product.

## Section XIV – Transport Information

**DOT (US):** Not dangerous goods.

**IMDG:** Not dangerous goods.

**IATA:** Not dangerous goods.

## Section XV – Regulatory Information

**OSHA Hazards:** No known OSHA hazards.

**DSL Status:** This product contains a component that is not on the Canadian DSL nor NDSL lists.

**SARA 302 Components:** SARA 302: No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title II, Section 313.

**SARA 311/312 Hazards:** No SARA hazards

**Massachusetts Right To Know Components:** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components:** No components are subject to the Pennsylvania Right to Know Act.

**New Jersey Right To Know Components:** No components are subject to the New Jersey Right to Know Act.

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### EU Regulations:

In accordance to current EC-Regulations this product is exempt from specific labelling requirements.

## Section XVI - Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. PromoCell shall not be held liable for any damage resulting from handling or from contact with the above product.

FOR IN VITRO RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES.

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