

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 2020/2008

**Issuing Date** 18-Feb-2019

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**Revision Number** 4

EGHS / English

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code(s)** C631, C859, C669, HD-Cas9-0XX, HD-dCas9-VPR-0XX, HD-PAR-XXX, HD-Cas9-001, HDXXX-XXX, HZGHCXXXXXXXXcXXX, HD-CLP-XXXX

**Product Name** Cell Lines Biosafety Level 1

**Chemical name**

**Reach Number** A registration number is not required for this substance.

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Laboratory Use

**Uses advised against** For research use only.

### 1.3. Details of the supplier of the safety data sheet

**Supplier Name** Horizon Discovery Biosciences Ltd.  
A Revvity Inc. Company

**Supplier Address** Building 8100 Cambridge Research Park  
Waterbeach Cambridgeshire  
CB25 9TL, United Kingdom

**Supplier Phone Number** Tel: +44 (0) 1223 976 000 Fax: +44 (0) 1223 655 581

**Supplier Email** technical@horizondiscovery.com

For further information, please contact.

### 1.4. Emergency telephone number

**For 24/7 multilingual advice for a spill, leak, fire, exposure or accident call CHEMTREC at +44 20 3885 0382 (EMEA) or +1 800 424 9300 (Toll Free) and provide CCN 1015970.**

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification of substance according to Regulation (EC) No 1272/2008 (CLP)

Not a hazardous substance or mixture.

### 2.2. Label elements

#### Label elements according to Regulation (EC) No 1272/2008 (CLP)

Not a hazardous substance or mixture.

### 2.3. Other hazards

No information available

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

This product contains no substances which at their given concentration, are considered to be hazardous to health.

Chemical name	EC No	CAS-No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Reg. No.
Dimethyl Sulfoxide	-	67-68-5	0-10%	No data available	No data available
Cells	-	N/A	1-10%	No data available	No data available
Cell Media	-	N/A	80-99%	No data available	No data available

\* Any concentration shown as a range is to protect confidentiality or is due to process variation.

\*\*All components need not be disclosed according to applicable regulations due to non-hazardous classification status.

### Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS-No	SVHC candidates
Dimethyl Sulfoxide	67-68-5	-
Cell Media	N/A	-
Cells	N/A	-

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Ingestion</b>	DO NOT induce vomiting. Call a physician or Poison Control Center immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES****5.1. Extinguishing media**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**5.2. Special hazards arising from the substance or mixture****Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**5.3. Advice for firefighters****Special protective equipment for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

**For emergency responders** Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

**Environmental precautions** Should not be released into the environment. See Section 12 for additional Ecological Information.

**6.3. Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling** Use personal protection equipment.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed. Store on liquid nitrogen.

**7.3. Specific end use(s)**

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

**8.2. Exposure controls****Engineering Controls**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Minimize exposure by partial enclosure of the operation or equipment and provide extract ventilation at openings.

**Personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand Protection** Protective gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

**Physical state** Frozen Solid

Colour Data not relevant for safe use  
 Odour Data not relevant for safe use

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
Melting / freezing point	Data not relevant for safe use	None known
Boiling point / boiling range	Data not relevant for safe use	None known
Flammability	Data not relevant for safe use	None known
Lower and Upper Exposure Limit	Data not relevant for safe use	None known
Flash Point	Data not relevant for safe use	None known
Auto-ignition Temperature	Data not relevant for safe use	None known
Flammability Limit in Air	Data not relevant for safe use	None known
Decomposition Temperature	Data not relevant for safe use	
pH	6.0-8.0	
Kinematic viscosity	Data not relevant for safe use	None known
Solubility	Data not relevant for safe use	None known
Partition coefficient: n-octanol/water	Data not relevant for safe use	None known
Vapour pressure	Data not relevant for safe use	None known
Density / Relative Density	Data not relevant for safe use	None known
Relative vapour density	Data not relevant for safe use	None known
Decomposition temperature	Data not relevant for safe use	None known
Particle characteristics	Data not relevant for safe use	None known

## 9.2. Other information

Softening Point Data not relevant for safe use  
 Molecular Weight Data not relevant for safe use  
 VOC Content (%) Data not relevant for safe use  
 Liquid Density Data not relevant for safe use  
 Bulk Density Data not relevant for safe use  
 Particle Size Data not relevant for safe use  
 Particle Size Distribution Data not relevant for safe use

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion Data

Sensitivity to Mechanical Impact None.  
 Sensitivity to Static Discharge None.

### 10.3. Possibility of hazardous reactions

**Possibility of Hazardous Reactions** None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### 10.4. Conditions to avoid

Excessive heat.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

None under normal use conditions.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Test data is not available for the complete mixture.

**Classification procedure**

The method for classification of the mixture is based on ingredients of the mixture.

**Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Information on toxicological effects**

**Symptoms** No information available.

**Numerical measures of toxicity**

**Acute Toxicity** Shall not be classified as acutely toxic.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**11.2. Endocrine disrupting properties**

This product does not contain known or suspected endocrine disruptors.

**SECTION 12: Ecological information****12.1. Ecotoxicity**

No information available.

#### **12.2. Persistence and degradability**

No information available.

#### **12.3. Bioaccumulative potential**

No information available.

#### **12.4. Mobility in soil**

No information available.

#### **12.5. Results of PBT and vPvB assessment**

No information available.

#### **12.6. Endocrine disrupting properties**

This product does not contain known or suspected endocrine disruptors.

#### **12.7 Other adverse effects**

Data not available.

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Empty remaining contents. Dispose of in accordance with federal, state and local regulations. Do not reuse empty containers.
<b>EWC Waste Disposal No</b>	Waste codes should be assigned by the user based on the application for which the product was used.
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

### **SECTION 14: Transport information**

#### **IMDG**

<b>14.1 UN Number</b>	Not dangerous goods
<b>14.2 Proper Shipping Name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Marine Pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code** Not applicable

**RID**

**14.1 UN-No.** Not regulated  
**14.2 Proper Shipping Name** Not regulated  
**14.3 Hazard Class** Not regulated  
**14.4 Packing Group** Not regulated  
**14.5 Environmental hazard** Not applicable  
**14.6 Special Provisions** None

**ADR**

**14.1 UN-No.** UN3245  
**14.2 Proper Shipping Name** Genetically Modified Micro-Organism  
**14.3 Hazard Class** 9  
**14.4 Packing Group** III  
**14.5 Environmental hazard** Not applicable  
**14.6 Special Provisions** None

**IATA**

**14.1 UN-No.** UN3245, UN1845  
**14.2 Proper Shipping Name** Genetically Modified Micro-Organism, Carbon Dioxide, Solid  
**14.3 Hazard Class** 9  
**14.4 Packing group** III  
**14.5 Environmental hazard** Not applicable  
**14.6 Special Provisions** None No special precautions required

**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

**Persistent Organic Pollutants**

Not applicable.

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable.

**International Inventories**

**TSCA** Contact supplier for inventory compliance status.  
**DSL/NDSL** Contact supplier for inventory compliance status.  
**EINECS/ELINCS** Contact supplier for inventory compliance status.



<b>ENCS</b>	Contact supplier for inventory compliance status.
<b>IECSC</b>	Contact supplier for inventory compliance status.
<b>KECL</b>	Contact supplier for inventory compliance status.
<b>PICCS</b>	Contact supplier for inventory compliance status.
<b>AICS</b>	Contact supplier for inventory compliance status.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

No information available.

**SECTION 16: Other information**
**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorization:

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	-	Skin designation

**Key literature references and sources for data**

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

**Revision Date** 08-Oct-2024

**This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 2020/2008.**

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**

**Data for Regulatory Rules**