

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 15-Dec-2022

Revision Number 2

EGHS / English



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

### 1.1. Product identifier

**Product Code(s)** B-001000-DP-018  
**Product Name** Deprotection Buffer  
**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 chemicals.  
**Uses advised against** No information available.

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

**Supplier Name** Dharmacon Inc.  
Horizon Discovery Ltd.  
**Supplier Address** 2650 Crescent Drive Suite 100  
Lafayette, CO 80026  
**Supplier Phone Number** Tel: 303-604-9499  
Fax: 303-604-9680  
**Supplier Email** technical@horizondiscovery.com

For further information, please contact.

### 1.4. Emergency telephone number

**Emergency telephone** Chemtrec International 1-703-741-5970

Emergency telephone §45 - (EC)1272/2008

Europe

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

### 2.2. Label elements

### 2.3. Other hazards

No information available

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Chemical name	EC No	CAS-No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Reg. No.
Acetic Acid	-	64-19-7	0.1	No data available	No data available
Water	-	7732-18-5	99-100	No data available	No data available

### 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
Acetic Acid	64-19-7	-
Water	7732-18-5	-

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove to fresh air.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes.
<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.

### 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.

**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** Ensure adequate ventilation.

**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 in a dry and well-ventilated place.

**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**

**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.

**Environmental exposure controls** No information available.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Physical state** Liquid  
**Colour** Data not relevant for safe use  
**Odour** Data not relevant for safe use

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
<b>Melting / freezing point</b>	Data not relevant for safe use	None known	
<b>Boiling point / boiling range</b>	Data not relevant for safe use	None known	
<b>Flammability</b>	Data not relevant for safe use	None known	
<b>Lower and Upper Exposure Limit</b>	Data not relevant for safe use	None known	
<b>Flash Point</b>	Data not relevant for safe use	None known	
<b>Auto-ignition Temperature</b>	Data not relevant for safe use	None known	
<b>Flammability Limit in Air</b>	Data not relevant for safe use	None known	
<b>Decomposition Temperature</b>	Data not relevant for safe use	None known	
<b>pH</b>	3.4-3.8	None known	
<b>Kinematic viscosity</b>	Data not relevant for safe use	None known	
<b>Solubility</b>	Data not relevant for safe use	None known	

<b>Partition coefficient: n-octanol/water</b>	Data not relevant for safe use	None known
<b>Vapour pressure</b>	Data not relevant for safe use	None known
<b>Density / Relative Density</b>	Data not relevant for safe use	None known
<b>Relative vapour density</b>	Data not relevant for safe use	None known
<b>Decomposition temperature</b>	Data not relevant for safe use	None known
<b>Particle characteristics</b>	Data not relevant for safe use	None known

**9.2. Other information**

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

Incompatible materials.

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

None under normal use conditions.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Information on likely routes of exposure**

**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**

**Unknown acute toxicity**

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

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity** No information available.

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

**Persistence and Degradability** No information available.

### **12.3. Bioaccumulative potential**

**Bioaccumulation** No information available.

Chemical name	Log Pow
Acetic Acid	-0.31

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

**Mobility in soil** No information available.

#### **Mobility**

No information available

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

**PBT and vPvB assessment** No information available.

### **12.6. Other adverse effects**

**Other adverse effects** No information available.

## **SECTION 13: Disposal considerations**

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

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** No information available.

## **SECTION 14: Transport information**

### **IMDG**

**14.1 UN Number** Not regulated  
**14.2 Proper Shipping Name** Not regulated  
**14.3 Hazard Class** Not regulated  
**14.4 Packing group** Not regulated  
**14.5 Marine Pollutant** Not applicable  
**14.6 Special Provisions** 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.	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

**IATA**

14.1 UN Number	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

**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**

<b>TSCA</b>	Contact supplier for inventory compliance status.
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status.
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status.
<b>ENCS</b>	Contact supplier for inventory compliance status.
<b>IECSC</b>	Contact supplier for inventory compliance status.



**KECL** Contact supplier for inventory compliance status.  
**PICCS** Contact supplier for inventory compliance status.  
**AICS** 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** 15-Dec-2022

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

**Disclaimer**

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End of Safety Data Sheet

**Data for Regulatory Rules**