

Safety Data Sheets

PowerVision Universal IHC Blocking Diluent

Catalog No: PV6123

SDS PowerVision Universal IHC Blocking Diluent

Hyperlinks

[EN](#)

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SAFETY DATA SHEET

POWERSION UNIVERSAL IHC BLOCKING DILUENT

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Revision No: 3

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: POWERSION UNIVERSAL IHC BLOCKING DILUENT

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

Use of substance / mixture: Use in laboratories - Professional.

1.3. Details of the supplier of the safety data sheet

Company name: Leica Biosystems Newcastle Ltd

Balliol Business Park West

Benton Lane

Newcastle Upon Tyne

NE12 8EW

United Kingdom

Tel: +44 191 2150567

Fax: +44 191 2151152

Email: msds@LeicaBiosystems.com

1.4. Emergency telephone number

Emergency tel: USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-741-5970
For emergency calls only.

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: * Skin Sens. 1A: H317

Most important adverse effects: * May cause an allergic skin reaction.

2.2. Label elements

Label elements:

Hazard statements: * H317: May cause an allergic skin reaction.

Hazard pictograms: * GHS07: Exclamation mark



Signal words: * Warning

Precautionary statements: * P261: Avoid breathing mist.

* P272: Contaminated work clothing should not be allowed out of the workplace.

* P280: Wear protective gloves/protective clothing/eye protection.

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- * P302+P352: IF ON SKIN: Wash with plenty of water/soap.
- * P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- * P362+P364: Take off contaminated clothing and wash it before reuse.
- * P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

* **Hazardous ingredients:** 0.01% 2-methylisothiazol-3(2H)-one.

*EC	*CAS	*PBT / WEL	*CLP Classification	*Percent
*220-239-6	*2682-20-4	–	*Acute Tox. 3 (Oral) H301, Acute Tox. 3 (Dermal) H311, Acute Tox. 2 (Inhalation) H330, Skin Corr. 1B H314, Skin Sens. 1A H317 C $\geq 0.0015\%$, Eye Dam. 1 H318, STOTS3 H335 (Lungs), Aquatic Acute 1 H400 M-Factor 10, Aquatic Chronic 1 H410 M-Factor 1.	*0.01%

* **REACH Registration Number:** 01-2120764690-50-XXXX.

Glycerol

*EC	*CAS	*PBT / WEL	*CLP Classification	*Percent
*200-289-5	*56-81-5	–	*Substance with a community workplace exposure limit.	*<1%

* **REACH Registration Number:** 01-2119471987-XXXX.

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: * Remove all contaminated clothes and footwear immediately unless stuck to skin.

Wash immediately with plenty of soap and water. Consult a doctor.

Eye contact: * Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: * Wash out mouth with water. Consult a doctor.

Inhalation: * Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: * Delayed effects can be expected after long-term exposure.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: * Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: * Do not attempt to take action without suitable protective clothing - see section 8 of SDS.
Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: * Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Not applicable.

7.3. Specific end use(s)

Specific end use(s): Use in laboratories - Professional.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

***Hazardous ingredients: Glycerol**

*State	*8 hour TWA	*15 min. STEL	*8 hour TWA	*15 min. STEL
*EU	10 mg/m ³	–	–	–
*UK	10 mg/m ³	–	–	–
*IE	10 mg/m ³	–	–	–
*US	5 mg/m ³ * / 15 mg/m ³ **	–	–	–
*CA	10 mg/m ³	–	–	–
*AU	10 mg/m ³	–	–	–
*NZ	10 mg/m ³	–	–	–

* respirable dust / ** inhalable dust

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DNEL/PNEC Values

*2-methylisothiazol-3(2H)-one

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	21 µg/m ³	Workers	Local
DNEL	Inhalation (acute/short term)	43 µg/m ³	Workers	Local
DNEL	Inhalation (repeated dose)	21 µg/m ³	General Population	Local
DNEL	Inhalation (acute/short term)	43 µg/m ³	General Population	Local
DNEL	Oral (repeated dose)	27 µg/kg bw/day	General Population	Systemic
DNEL	Oral (acute/short term)	53 µg/kg bw/day	General Population	Systemic

8.2. Exposure controls

Engineering measures: * Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: * Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: * Impermeable protective clothing.

Environmental: Prevent from entering public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Yellow

Odour: Odourless

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: No data available.

Viscosity: No data available.

Boiling point/range°C: No data available.

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: No data available.

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: No data available.

pH: No data available.

VOC g/l: No data available.

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

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10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

*Hazardous ingredients:

*2-methylisothiazol-3(2H)-one

DERMAL	RAT	LD50	242	mg/kg
DUST/MIST	RAT	4H LC50	0.1	mg/l
ORAL	RAT	LD50	120	mg/kg

*Relevant hazards for product:

Hazard	Route	Basis
Respiratory/skin sensitisation	-	Hazardous: calculated

*Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated

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STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure

Skin contact: * There may be irritation and redness at the site of contact.

Eye contact: * There may be irritation and redness. The eyes may water profusely.

Ingestion: * There may be soreness and redness of the mouth and throat.

Inhalation: * Exposure may cause coughing or wheezing.

Delayed / immediate effects: * Delayed effects can be expected after long-term exposure.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

***Hazardous ingredients:**

***2-methylisothiazol-3(2H)-one**

ALGAE	48H EC50	72.5	µg/l
Freshwater fish	96H LC50	4.77	mg/l
Freshwater invertebrates	48H EC50	934	µg/l
Marine invertebrates	48H EC50	2.98	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Not applicable.

Disposal of packaging: Clean with water. Dispose of as normal industrial waste.

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NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: * This safety data sheet has been prepared according to;
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures.
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: * indicates text in the SDS which has changed since the last revision.

***Sections 8, 11 and 12 data:** Source: European Chemicals Agency, <http://echa.europa.eu>

Legal 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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.