

Kit Summary

Product Code(s) AB119211
Product name InstantBlue® Coomassie Protein Stain (ISB1L)

Chemical Name	EC-No	CAS-No	Weight %	Classification (Reg. 1272/2008)	REACH Registration Number
Phosphoric acid	231-633-2	7664-38-2	15.19	Skin Corr. 1B (H314)	-
Ethanol	200-578-6	64-17-5	0.56	Flam. Liq. 2 (H225)	-

GHS / CLP - Regulation (EC) No 1272/2008



Signal Word
Warning

Hazard statements

H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary Statements - EU (§28, 1272/2008)

P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/ eye protection/ face protection
P362 - Take off contaminated clothing and wash before reuse
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/ attention

2.3 Other information

A safety datasheet follows for all potentially hazardous components – all other components are non-hazardous.

TRANSPORT INFORMATION

ADR Not dangerous goods
IATA Not dangerous goods
DOT Not dangerous goods

Safety Data Sheet

Issuing date No data available

Revision Date 10-Feb-2021

Version 5

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Code(s) AB119211-CP111466
Product name InstantBlue® Coomassie Protein Stain (ISB1L)

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use For research use only
Uses advised against No information available

1.3 Details of the supplier of the safety data sheet

Supplier
Abcam plc
Discovery Drive
Cambridge Biomedical Campus
Cambridge CB2 0AX
Tel: +44 (0)1223 696000
Fax: +44 (0)1223 215215

For further information, please contact: technical@abcam.com

1.4 Emergency Telephone Number

United Kingdom	+44 (0)1273 289451
Belgium	+44 1273 289451
France	+33 1 72 11 00 03
Germany	+49 89 220 61012
Ireland	+44 1273 289451
Italy	+39 02 3604 2884
Netherlands	+31 10 713 8195
Spain	+34 91 114 2520
Sweden	+44 1273 289451
Switzerland	+44 1273 289451

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS / CLP - GHS - Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

2.2 Label elements



Signal Word

Warning

Hazard statements

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Precautionary Statements - EU (§28, 1272/2008)

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P337 + P313 - If eye irritation persists: Get medical advice/ attention

2.3 Other information

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Name	EC-No	CAS-No	Weight %	Classification (Reg. 1272/2008)	REACH Registration Number
Phosphoric acid	231-633-2	7664-38-2	15.19	Skin Corr. 1B (H314)	-
Ethanol	200-578-6	64-17-5	0.56	Flam. Liq. 2 (H225)	-

For the full text of the H-Statements mentioned in this Section, see Section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

If symptoms persist, call a physician.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion

Rinse mouth. If symptoms persist, call a physician.

Inhalation

Move to fresh air.

4.2 Most important symptoms and effects, both acute and delayed



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Main symptoms see section 2.2.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

Special hazard

None in particular.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

See Section 12 for additional information.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation. Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

7.3 Specific end uses

Specific use(s) No information available.
Exposure scenario No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits National occupational exposure limits



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Chemical Name	European Union	United Kingdom	France	Spain	Germany
Phosphoric acid 7664-38-2	TWA 1 mg/m ³ STEL 2 mg/m ³	STEL: 2 mg/m ³ TWA: 1 mg/m ³	VME: 0.2 ppm VME: 1 mg/m ³ VLCT: 0.5 ppm VLCT: 2 mg/m ³	VLA-EC: 2 mg/m ³ VLA-ED: 1 mg/m ³	MAK: 2 mg/m ³ Ceiling / Peak: 4 mg/m ³ TWA: 2 mg/m ³
Ethanol 64-17-5		STEL: 3000 ppm STEL: 5760 mg/m ³ TWA: 1000 ppm TWA: 1920 mg/m ³	VME: 1000 ppm VME: 1900 mg/m ³ VLCT: 5000 ppm VLCT: 9500 mg/m ³	VLA-ED: 1000 ppm VLA-ED: 1910 mg/m ³	MAK: 500 ppm MAK: 960 mg/m ³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 1920 mg/m ³ Skin TWA: 500 ppm TWA: 960 mg/m ³
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Phosphoric acid 7664-38-2	TWA: 1 mg/m ³ STEL: 2 mg/m ³	STEL: 3 mg/m ³ TWA: 1 mg/m ³	STEL: 2 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³
Ethanol 64-17-5		TWA: 1000 ppm	Skin STEL: 1900 mg/m ³ TWA: 260 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Phosphoric acid 7664-38-2	STEL 2 mg/m ³ MAK: 1 mg/m ³	STEL: 2 mg/m ³ MAK: 1 mg/m ³	NDSch: 2 mg/m ³ NDS: 1 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³
Ethanol 64-17-5	STEL 2000 ppm STEL 3800 mg/m ³ MAK: 1000 ppm MAK: 1900 mg/m ³	STEL: 1000 ppm STEL: 1920 mg/m ³ MAK: 500 ppm MAK: 960 mg/m ³	NDS: 1900 mg/m ³	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³

Derived No Effect Level No information available

Predicted No Effect Concentration No information available

8.2 Exposure controls

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye protection

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

Hand protection

Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Skin and body protection

Long sleeved clothing. Apron. Impervious gloves.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection with an appropriate filter that is EN143 or EN141 / NIOSH/MSHA approved should be worn.

Thermal hazards

No information available

Hygiene measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

Environmental exposure controls Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State @20°C
Odor

Liquid
No information available

Appearance Aqueous solution, Blue

Property

Values

Note

pH No information available
Melting/freezing point No information available
Boiling point/boiling range No information available
Flash Point No information available



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Evaporation rate No information available
Flammability (solid, gas) No information available
Flammability Limits in Air
 upper flammability limit
 lower flammability limit

Vapor pressure No information available
Vapor density No information available
Relative density No information available
Water solubility No information available
Solubility in other solvents No information available
Partition coefficient: n-octanol/water No information available
Autoignition temperature No information available
Decomposition temperature No information available
Viscosity, kinematic No information available
Explosive properties No information available

9.2 Other information
VOC Content(%) No information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Precautionary Statements

None under normal processing.

10.4 Conditions to avoid

Heat, flames and sparks

10.5 Incompatible materials

None in particular

10.6 Hazardous decomposition products

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
Product Information Irritating to skin, eyes and / or respiratory tract.

Inhalation There is no data available for this product.

Eye contact Irritating to eyes.

Skin contact Irritating to skin.

Ingestion There is no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Phosphoric acid	1250 mg/kg (Rat)	>1260 mg/kg (Rabbit)	850 mg/m ³ (Rat) 1 h
Ethanol	7060 mg/kg (Rat)		124.7 mg/L (Rat) 4 h

Chronic toxicity

Corrosivity	No information available.
Sensitization	No information available.
Neurological effects	No information available.
Reproductive toxicity	No information available.
Mutagenic effects	No information available.
Target Organ Effects	No information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects As supplied, the preparation is not expected to present significant adverse environmental effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Phosphoric acid		3 - 3.5: 96 h Gambusia affinis mg/L LC50		4.6: 12 h Daphnia magna mg/L EC50
Ethanol		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through		9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
Ethanol	-0.32

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods



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Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Other information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

<u>ADR</u>	Not dangerous goods
<u>IATA</u>	Not dangerous goods
<u>DOT</u>	Not dangerous goods

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

No information available.

15.2 Chemical Safety Assessment

No information available.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H225 - Highly flammable liquid and vapor

H314 - Causes severe skin burns and eye damage

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Revision Date 10-Feb-2021

Revision Note Not applicable.

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

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 SDS



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