

# SAFETY DATA SHEET

## Multi Aff Rem Column Reagent Kit

### Section 1. Identification

**Product identifier** : Multi Aff Rem Column Reagent Kit  
**Part no. (chemical kit)** : 5185-5986  
**Part no.** : Buffer A Equil/ Load/ Wash 5185-5987  
 Buffer B - Elution 5185-5988

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

**Identified uses** : Analytical reagent.  
 Buffer A Equil/ Load/ Wash 1 L  
 Buffer B - Elution 1 L

**Supplier/Manufacturer** : Agilent Technologies Australia Pty Ltd  
 679 Springvale Road  
 Mulgrave  
 Victoria 3170, Australia  
 1800 802 402

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(61)-290372994

### Section 2. Hazard(s) identification

#### Classification of the substance or mixture

**Buffer B - Elution**  
 H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

#### GHS label elements

**Signal word** : Buffer A Equil/ Load/ Wash No signal word.  
 Buffer B - Elution WARNING

**Hazard statements** : Buffer A Equil/ Load/ Wash No known significant effects or critical hazards.  
 Buffer B - Elution H320 - Causes eye irritation.

**Precautionary statements**

**Prevention** : Buffer A Equil/ Load/ Wash Not applicable.  
 Buffer B - Elution Not applicable.

**Response** : Buffer A Equil/ Load/ Wash Not applicable.  
 Buffer B - Elution 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 or attention.

**Storage** : Buffer A Equil/ Load/ Wash Not applicable.  
 Buffer B - Elution Not applicable.

**Disposal** : Buffer A Equil/ Load/ Wash Not applicable.  
 Buffer B - Elution Not applicable.

**Supplemental label elements**

**Additional warning phrases** : Buffer A Equil/ Load/ Wash Not applicable.  
 Buffer B - Elution Not applicable.

**Other hazards which do not result in classification** : Buffer A Equil/ Load/ Wash None known.  
 Buffer B - Elution None known.

## Section 3. Composition and ingredient information

**Substance/mixture** : Buffer A Equil/ Load/ Wash Mixture  
Buffer B - Elution Mixture

### CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
<b>Buffer B - Elution</b>		
Hydrochloric acid	≤4.3	7647-01-0

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	: Buffer A Equil/ Load/ Wash	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Buffer B - Elution	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
<b>Inhalation</b>	: Buffer A Equil/ Load/ Wash	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Buffer B - Elution	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
<b>Skin contact</b>	: Buffer A Equil/ Load/ Wash	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Buffer B - Elution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion</b>	: Buffer A Equil/ Load/ Wash	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Buffer B - Elution	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to

## Section 4. First aid measures

drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No known significant effects or critical hazards. Causes eye irritation.
<b>Inhalation</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No known significant effects or critical hazards. No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No specific data. Adverse symptoms may include the following: irritation watering redness
<b>Inhalation</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No specific data. No specific data.
<b>Skin contact</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No specific data. No specific data.
<b>Ingestion</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No specific data. No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	: Buffer A Equil/ Load/ Wash  Buffer B - Elution	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
<b>Specific treatments</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No specific treatment. No specific treatment.
<b>Protection of first-aiders</b>	: Buffer A Equil/ Load/ Wash  Buffer B - Elution	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: Buffer A Equil/ Load/ Wash	Use an extinguishing agent suitable for the surrounding fire.
	Buffer B - Elution	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: Buffer A Equil/ Load/ Wash	None known.
	Buffer B - Elution	None known.
<b>Specific hazards arising from the chemical</b>	: Buffer A Equil/ Load/ Wash	In a fire or if heated, a pressure increase will occur and the container may burst.
	Buffer B - Elution	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: Buffer A Equil/ Load/ Wash	Decomposition products may include the following materials: halogenated compounds metal oxide/oxides
	Buffer B - Elution	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
<b>Special protective actions for fire-fighters</b>	: Buffer A Equil/ Load/ Wash	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Buffer B - Elution	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	: Buffer A Equil/ Load/ Wash	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Buffer B - Elution	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
<b>Hazchem code</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	Not available. 2R

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: Buffer A Equil/ Load/ Wash	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Buffer B - Elution	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

## Section 6. Accidental release measures

**For emergency responders** : Buffer A Equil/ Load/ Wash If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Buffer B - Elution If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Buffer A Equil/ Load/ Wash Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Buffer B - Elution Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

**Methods for cleaning up** : Buffer A Equil/ Load/ Wash Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Buffer B - Elution Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Buffer A Equil/ Load/ Wash Put on appropriate personal protective equipment (see Section 8).

Buffer B - Elution Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : Buffer A Equil/ Load/ Wash Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Buffer B - Elution Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Buffer A Equil/ Load/ Wash

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Buffer B - Elution

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls and personal protection

### Control parameters

### Occupational exposure limits

Ingredient name	Exposure limits
Buffer B - Elution Hydrochloric acid	<b>Safe Work Australia (Australia, 10/2022).</b> PEAK: 5 ppm PEAK: 7.5 mg/m <sup>3</sup>

### Biological exposure indices

No exposure indices known.

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

## Section 8. Exposure controls and personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### Appearance

- Physical state** : Buffer A Equil/ Load/ Wash Liquid. [Clear.]  
Buffer B - Elution Liquid. [Clear.]
- Colour** : Buffer A Equil/ Load/ Wash Colourless.  
Buffer B - Elution Colourless.
- Odour** : Buffer A Equil/ Load/ Wash Not available.  
Buffer B - Elution Odourless.
- Odour threshold** : Buffer A Equil/ Load/ Wash Not available.  
Buffer B - Elution Not available.
- pH** : Buffer A Equil/ Load/ Wash 7.4  
Buffer B - Elution 2.25
- Melting point/freezing point** : Buffer A Equil/ Load/ Wash 0°C (32°F)  
Buffer B - Elution Not available.
- Boiling point, initial boiling point, and boiling range** : Buffer A Equil/ Load/ Wash 100°C (212°F)  
Buffer B - Elution Not available.
- Flash point** : Buffer A Equil/ Load/ Wash Not available.  
Buffer B - Elution Not available.
- Evaporation rate** : Buffer A Equil/ Load/ Wash Not available.  
Buffer B - Elution Not available.
- Flammability** : Buffer A Equil/ Load/ Wash Not applicable.  
Buffer B - Elution Not applicable.
- Lower and upper explosion limit/flammability limit** : Buffer A Equil/ Load/ Wash Not available.  
Buffer B - Elution Not available.

### Vapour pressure

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>Buffer A Equil/ Load/ Wash</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>Buffer B - Elution</b>						
water	17.5	2.3	-	92.258	12.3	-

- Relative vapour density** : Buffer A Equil/ Load/ Wash Not available.  
Buffer B - Elution Not available.

## Section 9. Physical and chemical properties and safety characteristics

**Relative density** : Buffer A Equil/ Load/ Wash Not available.  
Buffer B - Elution Not available.

<b>Solubility(ies)</b>	<b>Media</b>	<b>Result</b>
	Buffer A Equil/ Load/ Wash water	Soluble
	Buffer B - Elution water	Soluble

**Partition coefficient: n-octanol/water** : Buffer A Equil/ Load/ Wash Not applicable.  
Buffer B - Elution Not applicable.

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Buffer A Equil/ Load/ Wash Not available.  
Buffer B - Elution Not available.

**Viscosity** : Buffer A Equil/ Load/ Wash Not available.  
Buffer B - Elution Not available.

### Particle characteristics

**Median particle size** : Buffer A Equil/ Load/ Wash Not applicable.  
Buffer B - Elution Not applicable.

## Section 10. Stability and reactivity

**Reactivity** : Buffer A Equil/ Load/ Wash No specific test data related to reactivity available for this product or its ingredients.  
Buffer B - Elution No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : Buffer A Equil/ Load/ Wash The product is stable.  
Buffer B - Elution The product is stable.

**Possibility of hazardous reactions** : Buffer A Equil/ Load/ Wash Under normal conditions of storage and use, hazardous reactions will not occur.  
Buffer B - Elution Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : Buffer A Equil/ Load/ Wash No specific data.  
Buffer B - Elution No specific data.

**Incompatible materials** : Buffer A Equil/ Load/ Wash May react or be incompatible with oxidising materials.  
Buffer B - Elution May react or be incompatible with oxidising materials.

**Hazardous decomposition products** : Buffer A Equil/ Load/ Wash Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Buffer B - Elution Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

<b>Product/ingredient name</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>	<b>Exposure</b>
Buffer B - Elution Hydrochloric acid	LC50 Inhalation Gas.	Rat	3124 ppm	1 hours

#### Irritation/Corrosion

Not available.



## Section 11. Toxicological information

### Sensitisation

Not available.

### Mutagenicity

Conclusion/Summary : Not available.

### Carcinogenicity

Conclusion/Summary : Not available.

### Reproductive toxicity

Conclusion/Summary : Not available.

### Teratogenicity

Conclusion/Summary : Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
<b>Buffer B - Elution</b> Hydrochloric acid	Category 3	-	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : Buffer A Equil/ Load/ Wash  
Buffer B - Elution Not available.  
Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

### Potential acute health effects

**Eye contact** : Buffer A Equil/ Load/ Wash  
Buffer B - Elution No known significant effects or critical hazards.  
Causes eye irritation.

**Inhalation** : Buffer A Equil/ Load/ Wash  
Buffer B - Elution No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Skin contact** : Buffer A Equil/ Load/ Wash  
Buffer B - Elution No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Ingestion** : Buffer A Equil/ Load/ Wash  
Buffer B - Elution No known significant effects or critical hazards.  
No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Buffer A Equil/ Load/ Wash  
Buffer B - Elution No specific data.  
Adverse symptoms may include the following:  
irritation  
watering  
redness

**Inhalation** : Buffer A Equil/ Load/ Wash  
Buffer B - Elution No specific data.  
No specific data.

**Skin contact** : Buffer A Equil/ Load/ Wash  
Buffer B - Elution No specific data.  
No specific data.

**Ingestion** : Buffer A Equil/ Load/ Wash  
Buffer B - Elution No specific data.  
No specific data.

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

#### Short term exposure

Potential immediate effects : Not available.

## Section 11. Toxicological information

**Potential delayed effects** : Not available.

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

<b>General</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: Buffer A Equil/ Load/ Wash Buffer B - Elution	No known significant effects or critical hazards. No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
<b>Buffer B - Elution</b> Buffer B - Elution Hydrochloric acid	N/A N/A	N/A N/A	43892.2 1562	29.2 1.038	N/A N/A

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
<b>Buffer B - Elution</b> Hydrochloric acid	Acute LC50 240000 µg/l Marine water Acute LC50 282 ppm Fresh water	Crustaceans - <i>Carcinus maenas</i> - Adult Fish - <i>Gambusia affinis</i> - Adult	48 hours 96 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil




**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	ADG	IMDG	IATA
UN number	UN1789	UN1789	UN1789
UN proper shipping name	HYDROCHLORIC ACID	HYDROCHLORIC ACID	Hydrochloric acid
Transport hazard class(es)	8 	8 	8 
Packing group	III	III	III
Environmental hazards	No.	No.	No.

### Additional information

**ADG** : **Hazchem code** 2R  
**Special provisions** 223

**IMDG** : **Emergency schedules** F-A, S-B  
**Special provisions** 223

**IATA** : **Quantity limitation** Passenger and Cargo Aircraft: 5 L. Packaging instructions: 852. Cargo Aircraft Only: 60 L. Packaging instructions: 856. Limited Quantities - Passenger Aircraft: 1 L. Packaging instructions: Y841.  
**Special provisions** A3, A803

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

### Standard for the Uniform Scheduling of Medicines and Poisons

5

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

## Section 15. Regulatory information

Not listed.

### [Stockholm Convention on Persistent Organic Pollutants](#)

Not listed.

### [Rotterdam Convention on Prior Informed Consent \(PIC\)](#)

Not listed.

### [UNECE Aarhus Protocol on POPs and Heavy Metals](#)

Not listed.

### [Inventory list](#)

**Australia** : All components are listed or exempted.

**New Zealand** : All components are listed or exempted.

**United States** : All components are active or exempted.

## Section 16. Any other relevant information

### [History](#)

**Date of issue/Date of revision** : 24/05/2024

**Date of previous issue** : 21/05/2021

**Version** : 6

### [Key to abbreviations](#)

: ADG = Australian Dangerous Goods  
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 N/A = Not available  
 SUSMP = Standard Uniform Schedule of Medicine and Poisons  
 UN = United Nations

### [Procedure used to derive the classification](#)

Classification	Justification
<b>Buffer B - Elution</b> SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method

Indicates information that has changed from previously issued version.

### [Notice to reader](#)

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