

# SAFETY DATA SHEET



PLRP-S in 7 to 1 Acetonitrile and Water more than 30mL solvent

## Section 1. Identification

This product is considered an article. This Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

- Product identifier** : PLRP-S in 7 to 1 Acetonitrile and Water more than 30mL solvent
- Part no.** : PL1212-3100, PL1212-3101, PL1212-3102, PL1212-3103, PL1212-3201, PL1212-3702, PL1212-3703, PL1212-3800, PL1212-3801, PL1212-6100, PL1212-6101, PL1212-6200, PL1212-6201, PL1212-6400, PL1212-6401, PL1212-6800, PL1212-6801, PL1712-3100, PL1712-3101, PL1712-3102, PL1712-3103, PL1712-3200, PL1712-3201, PL1712-3400, PL1712-3401, PL1712-3702, PL1712-3703, PL1712-3800, PL1712-3801, PL1712-5703, PL1712-6100, PL1712-6101, PL1712-6200, PL1712-6201, PL1712-6400, PL1712-6401, PL1712-6800, PL1712-6801, PL1812-2102, PL1812-2103, PL1812-3102, PL1812-3103, PL1812-6100, PL1812-6101, PL1812-6200, PL1812-6201, PL1812-6400, PL1812-6401, PL1812-6800, PL1812-6801, PL1E12-5703, PL1112-9999FDG, PL1112-9999LDG

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

- Identified uses** :  Analytical chemistry.  
 chromatography column  
 Solvent volume: >30 ml
- |             |  |
|-------------|--|
| PL1212-3100 | PLRP-S 100A 10uM 150X25MM, 53 mL solvent         |
| PL1212-3101 | PLRP-S 300A 10uM 150X25MM, 53 mL solvent         |
| PL1212-3102 | PLRP-S 1000A 10uM 150X25MM, 53 mL solvent        |
| PL1212-3103 | PLRP-S 4000A 10uM 150X25MM, 53 mL solvent        |
| PL1212-3201 | PLRP-S 300A 15-20uM 150X25MM, 53 mL solvent      |
| PL1212-3702 | PLRP-S 1000A 30uM 150X25MM, 53 mL solvent        |
| PL1212-3703 | PLRP-S 4000A 30uM 150X25MM, 53 mL solvent        |
| PL1212-3800 | PLRP-S 100A 8uM 150X25MM, 53 mL solvent          |
| PL1212-3801 | PLRP-S 300A 8uM 150X25MM, 53 mL solvent          |
| PL1212-6100 | PLRP-S 100A 10uM 300X25MM, 106 mL solvent        |
| PL1212-6101 | PLRP-S 300A 10uM 300X25MM, 106 mL solvent        |
| PL1212-6200 | PLRP-S 100A 15-20uM 300X25MM, 106 mL solvent     |
| PL1212-6201 | PLRP-S 300A 15-20uM 300X25MM, 106 mL solvent     |
| PL1212-6400 | PLRP-S 100A 10-15uM 300X25MM, 106 mL solvent     |
| PL1212-6401 | PLRP-S 300A 10-15uM 300X25MM, 106 mL solvent     |
| PL1212-6800 | PLRP-S 100A 8uM 300X25MM, 106 mL solvent         |
| PL1212-6801 | PLRP-S 300A 8uM 300X25MM, 106 mL solvent         |
| PL1712-3100 | PLRP-S 100A 10uM 150X50MM, 212 mL solvent        |
| PL1712-3101 | PLRP-S 300A 10uM 150X50MM, 212 mL solvent        |
| PL1712-3102 | PLRP-S 1000A 10uM 150X50MM, 212 mL solvent       |
| PL1712-3103 | PLRP-S 4000A 10uM 150X50MM, 212 mL solvent       |
| PL1712-3200 | PLRP-S 100A 15-20uM 150X50MM, 212 mL solvent     |
| PL1712-3201 | PLRP-S 300A 15-20uM 150X50MM, 212 mL solvent     |
| PL1712-3400 | PLRP-S 100A 10-15uM 150X50MM, 212 mL solvent     |
| PL1712-3401 | PLRP-S 300A 10-15uM 150X50MM, 212 mL solvent     |
| PL1712-3702 | PLRP-S 1000A 30uM 150X50MM, 212 mL solvent       |
| PL1712-3703 | PLRP-S 4000A 30uM 150X50MM, 212 mL solvent       |
| PL1712-3800 | PLRP-S 100A 8uM 150X50MM, 212 mL solvent         |
| PL1712-3801 | PLRP-S 300A 8uM 150X50MM, 212 mL solvent         |
| PL1712-5703 | PLRP-S 4000A, 30um. 250 x 50.0mm, 353 mL solvent |
| PL1712-6100 | PLRP-S 100A 10uM 300X50MM, 424 mL solvent        |
| PL1712-6101 | PLRP-S 300A 10uM 300X50MM, 424 mL solvent        |
| PL1712-6200 | PLRP-S 100A 15-20uM 300X50MM, 424 mL solvent     |
| PL1712-6201 | PLRP-S 300A 15-20uM 300X50MM, 424 mL solvent     |
| PL1712-6400 | PLRP-S 100A 10-15uM 300X50MM, 424 mL solvent     |
| PL1712-6401 | PLRP-S 300A 10-15uM 300X50MM, 424 mL solvent     |
| PL1712-6800 | PLRP-S 100A 8uM 300X50MM, 424 mL solvent         |
| PL1712-6801 | PLRP-S 300A 8uM 300X50MM, 424 mL solvent         |

## Section 1. Identification

PL1812-2102	PLRP-S 1000A 10uM 300X100MM, 1696 mL solvent
PL1812-2103	PLRP-S 4000A 10uM 300X100MM, 1696 mL solvent
PL1812-3102	PLRP-S 1000A 30uM 300X100MM, 1696 mL solvent
PL1812-3103	PLRP-S 4000A 30uM 300X100MM, 1696 mL solvent
PL1812-6100	PLRP-S 100A 10uM 300X100MM, 1696 mL solvent
PL1812-6101	PLRP-S 300A 10uM 300X100MM, 1696 mL solvent
PL1812-6200	PLRP-S 100A 15-20uM 300X100MM, 1696 mL solvent
PL1812-6201	PLRP-S 300A 15-20uM 300X100MM, 1696 mL solvent
PL1812-6400	PLRP-S 100A 10-15uM 300X100MM, 1696 mL solvent
PL1812-6401	PLRP-S 300A 10-15uM 300X100MM, 1696 mL solvent
PL1812-6800	PLRP-S 100A 8uM 300X100MM, 1696 mL solvent
PL1812-6801	PLRP-S 300A 8uM 300X100MM, 1696 mL solvent
PL1E12-5703	PLRP-S 4000A, 30um. 250 x 21.2mm, 63 mL solvent
PL1112-9999FDG	Bio LC Column Custom, max 2500mL solvent
PL1112-9999LDG	Bio LC Column Custom, max 500mL solvent

**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

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

### Classification of the substance or mixture

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

### GHS label elements

#### Hazard pictograms



#### Signal word

: DANGER

#### Hazard statements

: H225 - Highly flammable liquid and vapour.  
H302 - Harmful if swallowed.  
H319 - Causes serious eye irritation.

### Precautionary statements

#### Prevention

: P280 - Wear eye or face protection.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P270 - Do not eat, drink or smoke when using this product.  
P264 - Wash thoroughly after handling.

#### Response

: P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Storage

: Not applicable.

#### Disposal

: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Supplemental label elements

## Section 2. Hazard(s) identification

**Additional warning phrases** : Not applicable.

**Other hazards which do not result in classification** : None known.

## Section 3. Composition and ingredient information

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

**Substance/mixture** : Mixture (encapsulated in article)

### CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
Acetonitrile	≥30 - <55	75-05-8
Polymeric beads	≥30 - ≤60	-

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

- Eye contact** : 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. Get medical attention.
- Inhalation** : 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.
- Skin contact** : 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.
- Ingestion** : 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 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 necessary, call a poison center or physician. 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

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.

## Section 4. First aid measures

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : Harmful if swallowed.

### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

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

**Notes to physician** : 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.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : 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

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet.

**Specific hazards arising from the chemical** : Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
cyanides

**Special protective actions for fire-fighters** : 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Hazchem code** : 1Z

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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** : 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** : Avoid dispersal of spilled 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** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : 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.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidising materials. 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

Since the hazardous ingredient in this article is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Acetonitrile	<b>Safe Work Australia (Australia, 10/2022).</b> <b>Absorbed through skin.</b> STEL: 101 mg/m <sup>3</sup> 15 minutes. STEL: 60 ppm 15 minutes. TWA: 67 mg/m <sup>3</sup> 8 hours. TWA: 40 ppm 8 hours.
Polymeric beads	<b>ACGIH TLV (United States).</b> Particulates Not Otherwise Specified

## Section 8. Exposure controls and personal protection

(PNOS): 10 mg/m<sup>3</sup> Form: Inhalable  
Particulates Not Otherwise Specified  
(PNOS): 3 mg/m<sup>3</sup> Form: Respirable

### Biological exposure indices

No exposure indices known.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**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: chemical splash goggles.

### Skin 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**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** : Solid.( Paste.)

**Colour** : Not available.

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

<b>Odour</b>	: Not available.
<b>Odour threshold</b>	: Not available.
<b>pH</b>	: Not available.
<b>Melting point/freezing point</b>	: Not available.
<b>Boiling point, initial boiling point, and boiling range</b>	: Not available.
<b>Flash point</b>	: <input checked="" type="checkbox"/> Closed cup: -18 to 23°C (-0.4 to 73.4°F) [Based on solvent.]
<b>Evaporation rate</b>	: Not available.
<b>Flammability</b>	: Contains: Flammable liquid
<b>Lower and upper explosion limit/flammability limit</b>	: Not available.
<b>Vapour pressure</b>	:

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<input checked="" type="checkbox"/> Acetonitrile	70.88853	9.5	-	-	-	-
water	17.5	2.3	-	92.258	12.3	-

**Relative vapour density** : Not available.

**Relative density** : Not available.

Media	Result
<input checked="" type="checkbox"/> Mobile phase	Soluble
Stationary phase	Insoluble

**Partition coefficient: n-octanol/water** :  Not applicable.

Ingredient name	°C	°F	Method
<input checked="" type="checkbox"/> Acetonitrile	524	975.2	-

**Decomposition temperature** : Not available.

**Viscosity** : Not available.

### Particle characteristics

**Median particle size** :  Not applicable.

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

**Incompatible materials** : Reactive or incompatible with the following materials:  
oxidising materials

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 uL	-

#### 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)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

**Information on likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : Harmful if swallowed.

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

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : 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

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : 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)
PLRP-S in 7 to 1 Acetonitrile and Water more than 30mL solvent	936.8	2060.9	N/A	20.6	N/A
Acetonitrile	500	1100	N/A	11	N/A
Polymeric beads	N/A	5000	N/A	N/A	N/A

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water Chronic NOEC 160000 µg/l Fresh water	Aquatic plants - <i>Lemna minor</i> Daphnia - <i>Daphnia magna</i> Fish - <i>Pimephales promelas</i> Aquatic plants - <i>Lemna minor</i> Daphnia - <i>Daphnia magna</i>	96 hours 48 hours 96 hours 96 hours 21 days

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Acetonitrile	OECD 310 Ready Biodegradability - CO2 in Sealed Vessels (Headspace Test)	70 % - Readily - 21 days	-	Activated sludge

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Acetonitrile	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Acetonitrile	-0.34	3	Low
Polymeric beads	≥4	<500	Low

## Section 12. Ecological information

### Mobility in soil

Soil/water partition coefficient ( $K_{oc}$ ) : 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

This Safety Data Sheet is written based on the encapsulated substance or mixture in this article. Since the hazardous ingredient is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

	ADG	IMDG	IATA
UN number	UN3175	UN3175	UN3175
UN proper shipping name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Acetonitrile)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Acetonitrile)	Solids containing flammable liquid, n.o.s. (Acetonitrile)
Transport hazard class(es)	4.1 	4.1 	4.1 
Packing group	II	II	II
Environmental hazards	No.	No.	No.

### Additional information

**ADG** : **Hazchem code** 1Z  
**Special provisions** 216, 274

**IMDG** : **Emergency schedules** F-A, S-I  
**Special provisions** 216, 274

**IATA** : **Quantity limitation** Passenger and Cargo Aircraft: 15 kg. Packaging instructions: 445. Cargo Aircraft Only: 50 kg. Packaging instructions: 448. Limited Quantities - Passenger Aircraft: 5 kg. Packaging instructions: Y441.

**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.

## Section 14. Transport information

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

## Section 15. Regulatory information

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

Not regulated.

### 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

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** : 20/03/2024

**Date of previous issue** : 28/06/2021

**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
FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A	Expert judgment Calculation method Calculation method

## Section 16. Any other relevant information

✔ Indicates information that has changed from previously issued version.

### [Notice to reader](#)

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