Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758



SAFETY DATA SHEET

Recombinant Proteins with <50% Acetonitrile

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

1.1 Product identifier	
Product name	: Recombinant Proteins with <50% Acetonitrile
Product code	: Not available.
Product type	: Liquid.
Other means of identification	: Not available.
1.2 Relevant identified u	ses of the substance or mixture and uses advised against

		.	
Product use	: Research.		
Area of application	: Industrial applications.		
Uses advised against			
None identified.			

1.3 Details of the supplier of the safety data sheet

BioLegend Inc. 8999 BioLegend Way San Diego, CA 92121 – USA Tel: +1-858-455-9588 (7:00AM – 5:00PM PT, M-F)

e-mail address of person : cs@biolegend.com responsible for this SDS

Only representative

BioLegend Inc. 4B Highgate Business Centre 33 Greenwood Place London, NW5 1LB - UK Tel: +44 (0) 20 3475 3880 http://www.biolegend.com/uk

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number	 Call 111 if you urgently need medical help or advice but it's not a life-threatening situation (NHS 111 service). NHS 111 is available 24 hours a day, 365 days a year
<u>Supplier</u>	
Telephone number	: +44 (0) 20 3475 3880 (9:00AM - 5:00PM GMT, M-F)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 2, H225 Acute Tox. 4, H302 Eye Irrit. 2, H319

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements Hazard pictograms



Signal word	1	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	4	Not applicable.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	4	acetonitrile
Supplemental label elements	:	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
Special packaging requirements		
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	1	Not applicable.
2.3 Other hazards		

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SECTION 2: Hazards identification

 Product meets the criteria
 : This mixture does not contain any substances that are assessed to be a PBT or a

 for PBT or vPvB according
 : VPvB.

 to Regulation (EC) No.
 : VPvB.

 1907/2006, Annex XIII
 : None known.

 other hazards which do not result in classification
 : None known.

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
acetonitrile	EC: 200-835-2 CAS: 75-05-8 Index: 608-001-00-3	≥25 - ≤45	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 3, H311 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1] [2]
			See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	mediately flush eyes with plenty of water, occasionally lifting elids. Check for and remove any contact lenses. Continue t nutes. Get medical attention.	
Inhalation	emove victim to fresh air and keep at rest in a position comfo not breathing, if breathing is irregular or if respiratory arrest o tificial respiration or oxygen by trained personnel. It may be over son providing aid to give mouth-to-mouth resuscitation. Ge- verse health effects persist or are severe. If unconscious, pl sition and get medical attention immediately. Maintain an op th clothing such as a collar, tie, belt or waistband. In case of composition products in a fire, symptoms may be delayed. T ay need to be kept under medical surveillance for 48 hours.	ccurs, provide dangerous to the t medical attention if lace in recovery ben airway. Loosen inhalation of
Skin contact	ush contaminated skin with plenty of water. Remove contam oes. Get medical attention if symptoms occur. Wash clothir ean shoes thoroughly before reuse.	

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

Recombinant Proteins with <50% Acetonitrile

SECTION 4: First aid measures

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.
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.

4.2 Most important symptoms and effects, both acute and delayed

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.

4.3 Indication of any immediate medical attention and special treatment needed

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.

SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising f	rom the substance or mixture
Hazards from the substance or mixture	: 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 hydrogen cyanide
5.3 Advice for firefighters	
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.
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SECTION 5: Firefighting measures

SECTION 6: Accidental release measures

6.1 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.	
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".	
6.2 Environmental precautions	: 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).	

6.3 Methods and material for containment and cleaning up

Small spill	: 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.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other	: See Section 1 for emergency contact information.
sections	See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 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
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SECTION 7: Handling and storage

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.

7.2 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.

Seveso Directive - Reporting thresholds (in tonnes)

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	Notification and MAPP threshold	Safety report threshold
P5c	5000 tonne	50000 tonne

7.3 Specific end use(s)

Recommendations: Not available.Industrial sector specific: Not available.solutions: Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
acetonitrile	 EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 102 mg/m³ 15 minutes. STEL: 60 ppm 15 minutes. TWA: 40 ppm 8 hours. TWA: 68 mg/m³ 8 hours. EU OEL (Europe, 10/2019). Absorbed through skin. Notes: list of indicative occupational exposure limit values TWA: 40 ppm 8 hours. TWA: 40 ppm 8 hours. TWA: 70 mg/m³ 8 hours.
procedures atmosp of the v protecti the follo the ass limit val atmosp of expo (Workp	oduct contains ingredients with exposure limits, personal, workplace here or biological monitoring may be required to determine the effectiveness entilation or other control measures and/or the necessity to use respiratory ve equipment. Reference should be made to monitoring standards, such as wing: European Standard EN 689 (Workplace atmospheres - Guidance for essment of exposure by inhalation to chemical agents for comparison with use and measurement strategy) European Standard EN 14042 (Workplace heres - Guide for the application and use of procedures for the assessment sure to chemical and biological agents) European Standard EN 482 ace atmospheres - General requirements for the performance of procedures measurement of chemical agents) Reference to national guidance
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SECTION 8: Exposure controls/personal protection

documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
acetonitrile	DNEL	Short term Oral	0.6 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	4.8 mg/m ³	General population	Local
	DNEL	Long term Inhalation	4.8 mg/m ³	General population	Systemic
	DNEL	Short term Inhalation	22 mg/m ³	General population	Local
	DNEL	Long term Dermal	32.2 mg/ kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	68 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	68 mg/m³	Workers	Local
	DNEL	Short term Inhalation	68 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	68 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	220 mg/m³	General population	Systemic

PNECs

No PNECs available

8.2 Exposure controls	
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.
Individual protection meas	<u>ires</u>
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	

SECTION 8: Exposure controls/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. 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. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
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.
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.

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

<u>Appearance</u>							
Physical state	: Liquid.						
Colour	: Transparent/Clear.						
Odour	: None.						
Odour threshold	: Not available.	: Not available.					
Melting point/freezing point	: Not available.	: Not available.					
Initial boiling point and boiling range	: Not available.						
Flammability (solid, gas)	: Not available.						
Upper/lower flammability or explosive limits	: Not available.						
Flash point	: Closed cup: 8°C (46.4°F)						
Auto-ignition temperature	: Ingredient name	°C	°F	Method			
	acetonitrile	524	975.2				
Decomposition temperature	: Not available.	I					
рН	: 2.14 to 2.19						
Viscosity	: Not available.						
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Vapour pressure

SECTION 9: Physical and chemical properties

Solubility(ies)	1	Not available.
Partition coefficient: n-octanol/	:	Not applicable.
water		

	Vapour Pressure at 20°C			Vapour pressure at 50°		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
acetonitrile	70.89	9.5				

Evaporation rate	: Not available.
Relative density	: Not available.
Vapour density	: Not available.
Explosive properties	: Not available.
Oxidising properties	: Not available.
Particle characteristics	
Median particle size	: Not applicable.

9.2 Other information	
Physical/chemical properties comments	: No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.
10.4 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. Avoid high temperatures. Keep away from heat and direct sunlight.
10.5 Incompatible materials	:	Reactive or incompatible with the following materials: oxidising materials
10.6 Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
acetonitrile	LC50 Inhalation Gas.	Rat	17100 ppm	4 hours
	LD50 Dermal	Rabbit	980 mg/kg	-
	LD50 Oral	Rat	2460 mg/kg	-

Conclusion/Summary : Not available.

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)
Recombinant Proteins with <50% Acetonitrile acetonitrile	1156.6	2266.9	39555.9	N/A	N/A
	500	980	17100	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observa	ation
acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-	
	Skin - Mild irritant	Rabbit	-	uL 500 mg	-	
Conclusion/Summary	: Not available.					
<u>Sensitisation</u>						
Conclusion/Summary	: Not available.					
<u>Mutagenicity</u>						
Conclusion/Summary	: Not available.					
<u>Carcinogenicity</u>						
Conclusion/Summary	: Not available.					
Reproductive toxicity						
Conclusion/Summary	: Not available.					
Teratogenicity						
Conclusion/Summary	: Not available.					
Specific target organ toxicit	<u>y (single exposure)</u>					
Not available.						
Specific target organ toxicit	<u>y (repeated exposure)</u>					
Not available.						
Aspiration hazard						
Not available.						
nformation on likely routes f exposure	: Routes of entry anticipat	ed: Oral, Dermal, Ir	nhalation.			
otential acute health effects						
Eye contact	: Causes serious eye irrita	ation				
Inhalation	: No known significant effe		rde			
	. No known significaill ein		103.			
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Recombinant Proteins with <50% Acetonitrile

Recombinant Proteins with <50% Ace	contrile			
SECTION 11: Toxico	logical information			
Skin contact	: No known significant effects or critical hazards.			
Ingestion	: Harmful if swallowed.			
Symptoms related to the phy	vsical, 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 effect	cts as well as chronic effects from short and long-term exposure			
Short term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
Long term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
Potential chronic health eff	<u>ects</u>			
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.			
Other information	: Not available.			

SECTION 12: Ecological information

12.1 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	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor	96 hours 48 hours 96 hours 96 hours
	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
Conclusion/Summary	: Not available.		

Conclusion/Summary

12.2 Persistence and degradability

SECTION 12: Ecological information

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-						
Product/ingredient name	Test	Result		Dose		Inoculum
acetonitrile	OECD 301C Ready Biodegradability - Modified MITI Test (I)		dily - 28 days	-		Activated sludge
Conclusion/Summary	: Not available.					
Product/ingredient name	Aquatic half-life	Photolysis			Biodeg	radability

Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
acetonitrile	-0.34	-	low

12.4 Mobility in soil

acetonitrile

Soil/water partition	: Not available.
coefficient (Koc)	
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods <u>Product</u>	
Methods of disposal	: 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.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 13: Disposal considerations

Special precautions

: 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

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	UN1648	UN1648	UN1648	UN1648
14.2 UN proper shipping name	ACETONITRILE solution	ACETONITRILE solution	ACETONITRILE solution	Acetonitrile solution
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	11	11	II	II
14.5 Environmental hazards	No.	No.	No.	No.

Additional information

/ additional information		
ADR/RID	:	Hazard identification number 33 Limited quantity 1 L Tunnel code (D/E)
IMDG	:	Emergency schedules F-E, S-D
ΙΑΤΑ	:	Quantity limitation Passenger and Cargo Aircraft: 5 L. Packaging instructions: 353. Cargo Aircraft Only: 60 L. Packaging instructions: 364. Limited Quantities - Passenger Aircraft: 1 L. Packaging instructions: Y341.
14.6 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.
14.7 Transport in bulk according to IMO instruments	:	Not available.

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mix	ture		
EU Regulation (EC) No. 1907/2006 (REACH)			
Annex XIV - List of substances subject to authorisation			
Annex XIV			
None of the components are listed.			
Substances of very high concern			
None of the components are listed.			
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dance	erous	2	
substances, mixtures and articles			
Substances requiring : Not applicable. labelling			
Other EU regulations			
Europe inventory : Not determined.			
Industrial emissions : Listed			
(integrated pollution prevention and control) -			
Air			
Industrial emissions : Listed			
(integrated pollution			
prevention and control) -			
Water			
Ozone depleting substances (1005/2009/EU)			
Not listed.			
Prior Informed Consent (PIC) (649/2012/EU)			
Not listed.			
Persistent Organic Pollutants			
Not listed.			
Seveso Directive			
This product is controlled under the Seveso Directive.			
Danger criteria			
Category			
P5c			
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.			
		4	
Date of issue/Date of revision : 07/10/2021 Date of previous issue : No previous validation Ve	rsion	: 1	14/16

SECTION 15: Regulatory information

UNECE Aarhus Protoco	l on POP	<u>s and Heav</u>	y Metals
Not listed.			

15.2 Chemical safety assessment	:	This product contains substances for which Chemical Safety Assessments are still required.
15.3 Registration status	:	Mixture. Information concerning the substance : Contact local supplier or distributor.

SECTION 16: Other information

✓ Indicates information that has changed from previously issued version.

Abbreviations and acronyms	 ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative
Key literature references and sources for data	: Regulation (EC) No. 1272/2008 [CLP]; European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), concluded in Geneva on 30 September 1957 plus amendments (Uniform text: Journal of Laws 27/2009 pos. 162 plus amendments); European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN); Occupational exposure limits; International regulations

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
	On basis of test data Calculation method Calculation method

Full text of abbreviated H statements

H302 H311 H319	Highly flammable liquid and vapour. Harmful if swallowed. Toxic in contact with skin. Causes serious eye irritation.
H332	Harmful if inhaled.

Full text of classifications [CLP/GHS]

Date of issue/Date of revision	: 07/10/2021 Date	e of previous issue	: No previous validation	Version : 1	15/16
Date of previous issue	: No previous valid	lation			
Date of issue/ Date of revision	: 07/10/2021				
Training advice	: Ensure operative practice.	es are trained to min	imise exposures. Training	g staff on good	
Acute Tox. 3 Acute Tox. 4 Eye Irrit. 2 Flam. Liq. 2		ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2			

SECTION 16: Other information

: 1

Version

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.