

Mobile Phase for Nucleic Acid Analysis - Buffer B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/01/2019

Version: 9

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	Mobile Phase for Nucleic Acid Analysis - Buffer B
Product code	:	562022-50, 553422, 553422-L, 553422-L4, 553422-L20
Other means of identification	:	Triethylammonium acetate buffer, Acetic acid, compound with N,N-diethylethanamine (1:1) in 25% acetonitrile.
Reach Registration Number	:	Not applicable
Remarks	:	SDS according to Art. 31 of Regulation (EC) 1907/2006

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

Use of the substance/mixture	:	Buffer
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1.3. Details of the supplier of the safety data sheet

ADS Biotec, Inc.
7409 Irvington Road
Omaha, NE 68122 - USA
support@adstiotec.com

1.4. Emergency telephone number

Emergency Contact Number	:	USA: 1-800-255-3924 (CHEMTEL 24hr) International: +1-813-248-0585 (CHEMTEL 24hr)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 2	H225
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Dermal)	H312
Acute Tox. 4 (Inhalation)	H332
Eye Irrit. 2A	H319

CLP Classification – Regulation (EC) No 1272/2008

Physical Hazards

- Flammable Liquids	Category 2 (H225)
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Health Hazards

- Acute oral toxicity	Category 4 (H302)
- Acute dermal toxicity	Category 4 (H312)
- Acute inhalation toxicity – vapors	Category 4 (H332)
- Serious eye damage/eye irritation	Category 2 (H319)

Environmental Hazards

- Based on available data, classification criteria are not met	
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2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H225 - Highly flammable liquid and vapour
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
H319 - Causes serious eye irritation

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Precautionary statements (GHS-US)	: P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical, ventilating, lighting equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P261 - Avoid breathing vapours P264 - Wash hands thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves, protective clothing, eye protection, face protection P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P330 - If swallowed, rinse mouth P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use water for extinction P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to licensed waste management site
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Labelling according to (EC) No 1272/2008

The substance is classified and labelled according to the CLP

Hazard pictograms ((EC) No 1272/2008) :



GHS02



GHS07

Signal word ((EC) No 1272/2008)	: Danger
Hazard statements ((EC) No 1272/2008)	: H225 - Highly flammable liquid and vapour H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled H319 - Causes serious eye irritation
Precautionary statements ((EC) No 1272/2008)	: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to licensed waste management site

2.3. Other hazards

GHS-US

Other hazards not contributing to the classification	: Vapours may form explosive mixture with air.
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(EC) No 1272/2008

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Other hazards not contributing to the classification	: Repeated or prolonged contact may cause skin irritation. Inhalation of vapours may cause respiratory irritation. Vapours may form explosive mixtures with air. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher
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2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	CLP Classification – Regulation (EC) No. 1272/2008	GHS-US classification
Acetonitrile	(CAS No) 75-05-8	20 - 30	Flam. Liq. 2; H225 Acute Tox. 4; H332; Inhalation Acute Tox. 4; H312; Dermal Acute Tox. 4; H302; Oral Eye Irrit. 2; H319	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319
Triethylammonium acetate	(CAS No) 5204-74-0	1 - 5	≈	Not classified
Water	(CAS No) 7732-18-2	75	Not classified	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Most important symptoms, acute\delayed	: Difficulty in breathing, inhalation of high vapor concentrations may cause symptoms like dizziness, tiredness, nausea, and vomiting. Metabolism may release cyanide, which may result in headache, dizziness, weakness, collapse, unconsciousness and possible death.
First-aid measures after inhalation	: Remove to fresh air, keep the patient warm and at rest. If symptoms develop obtain medical attention.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. If symptoms develop obtain medical attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop obtain medical attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water to drink. If symptoms develop obtain medical attention.

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

Symptoms/injuries after inhalation	: Harmful if inhaled.
Symptoms/injuries after skin contact	: Harmful in contact with skin.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Harmful if swallowed.

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

Treat symptomatically, symptoms may be delayed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapour. Fire may cause evolution of hydrogen cyanide and nitrogen oxides.
Explosion hazard	: On exposure to high temperature, may decompose, releasing explosive vapours. May form flammable/explosive vapour-air mixture.
Reactivity	: Stable under normal conditions.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid fire-fighting water entering the environment.
Protection during firefighting	: Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all contact with skin, eyes, or clothing.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and eye or face protection.

Emergency procedures : Remove ignition sources. Avoid contact with eyes, skin and clothing. Ensure adequate ventilation.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wash spill area with soapy water.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. Prevent further leakage or spillage if safe to do so.

Precautions for safe handling : Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Use only non-sparking tools. No naked lights. Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container tightly closed.

Incompatible products : Sources of ignition. Direct sunlight. Heat sources. Acids. Strong bases. Metals. Oxidizing agent. Reducing agents. combustible materials.

7.3. Specific end use(s)

A component of systems for analysis of nucleic acid samples in a professional diagnostic or research laboratory.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

List source(s): EU - Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC UK - EH40/2005 Work Exposure Limits, Third edition. Published 2018. IRE - 2018 Code of Practice for the Chemical Agents Regulations, Schedule 1. Published by the Health and Safety Authority

Component	United Kingdom	European Union	Ireland	USA
Acetonitrile (75-05-8)	STEL: 60 ppm 15 min STEL: 102 mg/m ³ 15 min TWA: 40 ppm 8 hr TWA: 68 mg/m ³ 8 h	TWA: 40 ppm (8hr) TWA: 70 mg/m ³ (8hr) Skin	TWA: 40 ppm 8 hr. TWA: 70 mg/m ³ 8 hr. STEL: 120 ppm 15 min STEL: 310 mg/m ³ 15 min Skin	OSHA PEL (TWA) (mg/m ³): 70 mg/m ³ OSHA PEL (TWA) (ppm): 40 ppm

DNEL/PNEC-Values

Component	End-use\impact	Exposure duration	Value	Exposure routes	Remarks
Acetonitrile (75-05-8)	Workers/Acute local effects		102 mg/m ³	Inhalation	

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Acetonitrile (75-05-8)	Workers/Acute systemic effects		102 mg/m3	Inhalation	
Acetonitrile (75-05-8)	Workers/long-term systemic effects		20.0 mg/kg bw/d	Skin contact	
Acetonitrile (75-05-8)	Workers/long-term systemic effects		70 mg/m3	Inhalation	
Acetonitrile (75-05-8)	Workers/long-term local effects		70 mg/m3	Inhalation	
Acetonitrile (75-05-8)	Consumers/acute systemic effects		22 mg/m3	Inhalation	
Acetonitrile (75-05-8)	Consumers/acute systemic effects		0.6 mg/kg bw/d	Inhalation	
Acetonitrile (75-05-8)	Consumers/acute local effects		22 mg/m3	Inhalation	
Acetonitrile (75-05-8)	Consumers/long-term local effects		4.8 mg/m3	Inhalation	
Acetonitrile (75-05-8)	Consumers/long-term systemic effects		2.4 mg/kg bw/d	Inhalation	
Acetonitrile (75-05-8)	Consumers/long-term systemic effects		0.4 mg/kg bw/d	Ingestion	
Acetonitrile (75-05-8)	Consumers/long-term systemic effects		1.2 mg/kg	Skin contact	

Component	Environmental compartment/Value	Remarks
Acetonitrile (75-05-8)	Fresh water: 10 mg/l	Assessment factor 10
	Marine water: 1 mg/l	Assessment factor 100
	Sewage treatment plant: 32 mg/l	Assessment factor 10
	Fresh water sediment: 40.5 mg/kg dw	
	Marine sediment : 4.05 mg/kg dw	
	Soil: 2.23 mg/kg dw	

8.2. Exposure controls

Appropriate engineering controls	: Ensure adequate ventilation.
Personal protective equipment	: Avoid all unnecessary exposure. Remove contaminated clothing immediately.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Safety glasses with face shield.
Skin and body protection	: Use chemically protective clothing.
Respiratory protection	: Not required under normal use.
Thermal hazard protection	: Not required for normal conditions of use.
Environmental exposure controls	: Avoid release to the environment.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Sweet.
Odour threshold	: No data available
pH	: 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 6 °C ACETONITRILE
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 1.355

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Relative density	: 0.97
Solubility	: Miscible with water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 3 - 16 vol % ACETONITRILE

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture. Hazardous polymerization does not occur.

10.3. Possibility of hazardous reactions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases. Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

10.6. Hazardous decomposition products

Nitrogen oxides. Ammonia, fume. Carbon monoxide. Carbon dioxide and hydrogen cyanide (hydrocyanic acid).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.
Skin corrosion/irritation	: Not classified pH: 7
Serious eye damage/irritation	: Causes serious eye irritation. pH: 7
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met. Harmful if swallowed. Harmful in contact with skin.
Symptoms/injuries after inhalation	: Harmful if inhaled.
Symptoms/injuries after skin contact	: Harmful in contact with skin.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Harmful if swallowed.

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Information on other hazards:

Endocrine disrupting properties: the substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified.

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LC50 fish	1 g/l 96 h - (Mortality) Fathead minnow (<i>Pimephales promelas</i>)
LC50 other aquatic organisms	0.024 - 0.199 µg/L 4-72 h Benthosed clam (<i>Macoma nasuta</i>)

12.2. Persistence and degradability

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Persistence and degradability	No information available.
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12.3. Bioaccumulative potential

Mobile Phase for Nucleic Acid Analysis - Buffer B

Bioaccumulative potential	No information available.
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12.4. Mobility in soil

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Ecology – soil	No information available.
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12.5. Other adverse effects

Other information : Avoid release to the environment. Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose in a safe manner in accordance with local/national regulations.

Additional information : Handle empty containers with care because residual vapours are flammable. Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

Further information:

Provisions relating to waste:

EC Directive 2006/12/EC; 2008/98/EEC

Regulation No. 1013/2006

For personal protection see section 8

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA: UN1648

14.2 UN proper shipping name

ADR: UN1648 FLAMMABLE AND COMBUSTIBLE LIQUID (ACETONITRILE)

IMDG, IATA: UN1648 FLAMMABLE AND COMBUSTIBLE LIQUID (ACETONITRILE)

14.3 Transport hazard class(es)

ADR:

Class: 3 (F1) Flammable Liquids

Label: 3



IMDG, IATA:

Class: 3 Flammable Liquids

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Label: 3

14.4 Packing group

ADR, IMDG, IATA: II

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

Warning: Flammable Liquids

Hazard identification number: 33

EMS Number: F-E,S-E

Stowage Category: B

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

Transport/Additional Information:

ADR

- Limited Quantities (LQ): 1L
- Excepted Quantities (EQ): Code: E2
Maximum net quantity per inner packaging: 30mL
Maximum net quantity per outer packaging: 500mL
- Transport Category: 2
- Tunnel Restriction Code: D/E

IMDG

- Limited Quantities (LQ): 1L
- Excepted Quantities (EQ): Code: E2
Maximum net quantity per inner packaging: 30mL
Maximum net quantity per outer packaging: 500mL

UN "Model Regulation"

In accordance with DOT

UN-No.(DOT) : 1648
DOT Proper Shipping Name : Acetonitrile
Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : II - Medium Danger
DOT Packaging Exceptions (49 CFR 173.xxx) : 150
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
DOT Packaging Bulk (49 CFR 173.xxx) : 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L
DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Additional information

Other information : No supplementary information available.

Transport by sea

Proper Shipping Name (IMDG) : ACETONITRILE

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Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: II - substances presenting medium danger

Air transport

Proper Shipping Name (IATA)	: ACETONITRILE
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: II - Medium Danger

SECTION 15: Regulatory information

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

US Federal Regulations

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SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard
Triethylammonium acetate (5204-74-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Acetonitrile (75-05-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	5000 lb

CLP Classification – Regulation (EC) No 1272/2008

Directive 2012/18/EU

Named dangerous substances - ANNEX I:

None of the ingredients is listed.

Seveso category:

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements:

5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements:

50,000 t

REGULATION (EC) No 1907/2006 ANNEX XVII (REACH):

Conditions of restriction: 3

CANADA

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WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects

15.2. Chemical safety assessment

No additional information available

Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

15.3. US State regulations

Acetonitrile (75-05-8)	
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List	

SECTION 16: Other information

Abbreviations and acronyms	: ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route). CAS (Chemical Abstracts Service) number. IARC (International Agency for Research on Cancer). IATA (International Air Transport Association). IMDG (International Maritime Dangerous Goods Code). RID (Règlement concernant le transport international ferroviaire de marchandises).
Other information	: None.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4

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Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H332	Harmful if inhaled

NCEC SDS US GHS (Hazcom 2012)

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.