

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) Issue date: 2/27/2025 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture

Trade name : Recovery Solution Product code : 415-000119

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Used to elute peptides after the cleanup process

Restrictions on use : For research purpose only, not for use in diagnostic or therapeutic procedures.

1.4. Supplier's details

Seer Inc 3800 Bridge Parkway Redwood City, CA 94065 T 1-833-254-7337

support@seer.bio

1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)

CCN 996824

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 3 H226 Flammable liquid and vapor.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US) : Warning

Hazard statements (GHS US) : Flammable liquid and vapor

Precautionary statements (GHS US) : Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No

smoking.

Keep container tightly closed.

Ground/Bond container and receiving equipment.

Use explosion-proof electrical, lighting, ventilating equipment.

Wear protective clothing, eye and face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use Dry chemical, CO2, or water spray or regular foam to extinguish.

Store in a well-ventilated place. Keep cool.

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Acetonitrile, cyanomethane	CAS-No.: 75-05-8	1-3	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

, , , , , , , , , , , , , , , ,		
First-aid measures general	: First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth. If you feel unwell, seek medical advice.	
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious: Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician immediately.	
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.	
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting, If vomiting occurs, the head should be kept low so that	

4.2. Most important symptoms/effects, acute and delayed

, ·	Overexposure to vapors may result in headache, nausea. May cause drowsiness or dizziness.Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal
Symptoms/effects after ingestion	use. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.

2/27/2025 (Issue date) US - en 2/10

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Most Important Symptoms/Effects : Overexposure to vapors may result in headache, nausea. Vapors may cause drowsiness and

dizziness.

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

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry chemical, CO2, or water spray or regular foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor.

Explosion hazard : Vapors are heavier than air and may travel considerable distance to an ignition source and flash

back to source of vapors.

Hazardous decomposition products in case of fire : None known.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper

protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Large fires: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting devices or discolouration of tank. ALWAYS stay away from tanks engulfed in fire. For a massive fire, use unmanned hose holders or monitor nozzles, or withdraw from the area and allow fire to burn. Prevent fire-fighting water from

entering environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Do not take actions involving personal risks. Avoid all personal contact including breathing in the spray, mist, vapors. Wear self-contained breathing apparatus. Stop leak if safe

to do so. Notify authorities if product enters sewers or public waters.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Avoid

contact with skin and eyes. If possible without taking personal risks, remove ignition sources. Ventilate spillage area. Prevent other non-emergency personnel from entering the danger area.

For emergency responders

Protective equipment : Wear the recommended personal protective equipment. Do not attempt to take action without

suitable protective equipment. For further information refer to section 8: "Exposure

controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Do not touch spilled material. Stop leak if safe to do so.

Prevent runoff from entering drains, sewers or waterways.

Environmental precautions : Avoid release to the environment.

2/27/2025 (Issue date) US - en 3/10

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

6.2. Methods and materials for containment and cleaning up

For containment

: Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up

Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Avoid breathing spray, vapors, mist. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Use explosion-proof equipment. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container.

Hygiene measures

Always wash hands after handling the product. Do not eat, drink or smoke when using this

product. Wash contaminated clothing before reuse.

Additional hazards when processed

: Proper grounding procedures to avoid static electricity should be followed.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions

: Store in a cool, dry and well-ventilated area away from incompatible substances.

Incompatible products

: Strong oxidizers.

Heat-ignition

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

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Acetonitrile (75-05-8)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Acetonitrile	
ACGIH OEL TWA	20 ppm	
Remark (ACGIH)	TLV® Basis: LRT irr. Notations: Skin; A4 (Not classifiable as a Human Carcinogen)	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Acetonitrile	
OSHA PEL TWA	70 mg/m³	
	40 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or

process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity

of any potential exposure.

Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases

to soil and the aquatic environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

Hand protection:

Wear protective gloves. Wear suitable gloves resistant to chemical penetration

Eye protection:

Chemical goggles

Skin and body protection:

Wear suitable protective clothing. Wear fire/flame resistant/retardant clothing.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

Personal protective equipment symbol(s):









SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Liquid
Appearance : Clear.
Color : Colorless
Odor : No data available
Odor threshold : No data available

pH : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Flash point : No data available

Flammability (solid, gas) : Not applicable.

Vapor pressure : No data available
Relative vapor density at 20°C : No data available
Relative density : No data available
Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) : No data available

Partition coefficient n-octanol/water (Log Pow) : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : No data available

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Explosion limits : No data available Particle characteristics : No data available

Acetonitrile

Particle characteristics No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

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

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

LD50 oral rat	2450 mg/kg
LD50 dermal rabbit	> 2000 mg/kg body weight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified STOT-single exposure : Not classified

2/27/2025 (Issue date) US - en 6/10

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

: Not classified STOT-repeated exposure

Acetonitrile	
NOAEC (inhalation,rat,gas,90 days)	400 ppm

Aspiration hazard : Not classified

Recovery Solution

Viscosity, kinematic No data available

Acetonitrile

No data available Viscosity, kinematic

Symptoms/effects after inhalation : Overexposure to vapors may result in headache, nausea. May cause drowsiness or dizziness. Symptoms/effects after skin contact Not expected to present a significant skin hazard under anticipated conditions of normal use.

Symptoms/effects after eye contact Not expected to present a significant eye contact hazard under anticipated conditions of normal

Symptoms/effects after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal

Most Important Symptoms/Effects : Overexposure to vapors may result in headache, nausea. Vapors may cause drowsiness and

dizziness.

SECTION 12 Ecological information

12.1. Ecotoxicity

: The product is not considered harmful to aquatic organisms or to cause long-term adverse Ecology - general

effects in the environment.

Hazardous to the aquatic environment, short-term

Hazardous to the aquatic environment, long-term

(chronic)

: Not classified

: Not classified

Acetonitrile	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 1000 mg/l
EC50 72h - Algae [1]	3560 mg/l
EC50 72h - Algae [2]	9696 mg/l
LOEC (chronic)	> 960 mg/l
NOEC (chronic)	960 mg/l
NOEC chronic fish	102 mg/l

12.2. Persistence and degradability

Recovery Solution		
Persistence and degradability	Not rapidly degradable	
Acetonitrile		
Persistence and degradability	Not rapidly degradable	

12.3. Bioaccumulative potential

No additional information available

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations. U.S. - RCRA (Resource Conservation

Recovery Act) - D Waste- Characteristic Waste Codes. D001: IGNITABLE WASTE.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Dispose of this material and its container

at hazardous or special waste collection point. Refer to all applicable national, international and

local regulations or provisions.

Additional information : Do not re-use empty containers. Ecological waste information : Avoid release to the environment.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA	
14.1. UN number			
UN1648	1648	1648	
14.2. Proper Shipping Name			
Acetonitrile	ACETONITRILE	Acetonitrile	
14.3. Transport hazard class(es)			
3	3	3	
14.4. Packing group			
II	II	II	
14.5. Environmental hazards			
	Marine pollutant: No		
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT) : UN1648
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 : 5 L

CFR 173.27)

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

DOT Quantity Limitations Cargo aircraft only (49

CFR 175.75)

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.

DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

IMDG

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T7

Tank special provisions (IMDG) : TP2

EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS

EmS-No. (Spillage) : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS

: 60 L

Stowage category (IMDG) : B
Stowage and handling (IMDG) : SW2
Flash point (IMDG) : 2°C c.c

Properties and observations (IMDG) : Colorless, volatile liquid. Flashpoint: 2°C c.c. Explosive limits: 3% to 16%. Miscible with water.

When involved in a fire, evolves toxic cyanide fumes. Harmful if swallowed, by skin contact or by

inhalation.

IATA

PCA Excepted quantities (IATA) : E2 PCA Limited quantities (IATA) : Y341 PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) 353 PCA max net quantity (IATA) : 5L CAO packing instructions (IATA) : 364 CAO max net quantity (IATA) : 60L ERG code (IATA) : 3L

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Acetonitrile CAS-No. 75-05-8 1-3%

Acetonitrile (75-05-8)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 5000 lb

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

15.2. International regulations

CANADA

Acetonitrile (75-05-8)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Acetonitrile (75-05-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Issue date : 2/27/2025

Other information

: Disclaimer/Statement of Liability – Seer, Inc. urges each recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information contained in this SDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. The information herein is provided in good faith and believed to be accurate as of the preparation date shown above. This SDS has been prepared using information from sources considered technically reliable. It should not be relied upon as a product specification. The company makes no warranty of any kind, expressed or implied, concerning the safe use of this material in your process or in combination with other chemical substances. Regulatory requirements are subject to change and may differ between various locations. It is the user's responsibility to ensure that its activities comply with all federal, state and local laws. Seer, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Full text of hazard classes and H-statements	
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H319	Causes serious eye irritation
H332	Harmful if inhaled

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.