

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 8/1/2014 Revision date: 4/25/2023 Supersedes: 8/1/2014 Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : 1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN

Product code : DLM-7170-S

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Cambridge Isotope Laboratories, Inc.

50 Frontage Rd

01810

ANDOVER, MA, 01810

USA

T 1-800-322-1174

cilsales@isotope.com - www.isotope.com

1.4. Emergency telephone number

Emergency number : 1-703-741-5970

Chemtrec 1-800-424-9300 24 hours

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 2 H225 Highly flammable liquid and vapor

Acute toxicity (oral) Category 4 H302 Harmful if swallowed
Acute toxicity (dermal) Category 4 H312 Harmful in contact with skin

Acute toxicity (inhalation) Category 4 H332 Harmful if inhaled

Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :







Signal word (GHS US) : Danger

Hazard statements (GHS US) : H225 - Highly flammable liquid and vapor

H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled

H318 - Causes serious eye damage

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking. heat, hot surfaces, open flames, sparks

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment.

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P241 - Use explosion-proof electrical, lighting, ventilating equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing fume, mist, spray, vapors.

P264 - Wash Both 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 eye protection, face protection, protective clothing, protective gloves.

P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.

P302+P352 - If on skin: Wash with plenty of water.

P303+P361+P353 - If on skin (or hair): 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.

P310 - Immediately call a poison center or doctor.

P312 - Call a poison center or doctor if you feel unwell.

P321 - Specific treatment (see Hazard pictograms (CLP) on this label).

P330 - Rinse mouth.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use Alcohol resistant foam, Carbon dioxide, Dry chemical, Water spray to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container to Comply with applicable regulations.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
ACETONITRILE UNLABELED	CAS-No.: 75-05-8		Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319
1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%)	CAS-No.: 2827-56-7 (Unlabeled)	0.0119	Not classified

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

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SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where

possible). Evacuate area.

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If not

breathing, give artificial respiration. Call a physician immediately. Get immediate medical

advice/attention

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

Immediately call a poison center or doctor/physician. Specific measures (see Hazard pictograms (CLP) on this label). Wash with plenty of soap and water. Wash contaminated clothing before

reuse

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get

immediate medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms

: Treat as cyanide poisoning. Always have on hand a cyanide first-aid kit, together with proper instructions. The onset of symptoms is generally delayed pending conversion to cyanide. Nausea, Vomiting, Diarrhea, Headache, Dizziness, Rash, Cyanosis, Excitement, Depression, Drowsiness, Impaired judgment, Lack of coordination, Stupor, Death. Lungs - Lung edema - Based on human evidence. Harmful if swallowed. Harmful in contact with skin. 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.

Symptoms/effects after inhalation Symptoms/effects after skin contact : Harmful if inhaled. May cause respiratory irritation.

: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin.

Symptoms/effects after eye contact Symptoms/effects after ingestion

: Causes serious eye damage.

 Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapor.

Explosion hazard : May form flammable/explosive vapor-air mixture.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Wear a self contained breathing apparatus. Fight fire with normal precautions from a reasonable distance.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear

self-contained breathing apparatus, rubber boots and thick rubber gloves.

Other information : Use water spray to cool unopened containers.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No

smoking.

6.1.1. For non-emergency personnel

Emergency procedures : Use personal protective equipment as required. Avoid breathing vapors, mist, gas. Ensure

adequate air ventilation. Evacuate unnecessary personnel. Eliminate all ignition sources if safe to do so. Provide adequate ventilation to minimize dust and/or vapor concentrations. Special attention should be given to low areas/pits where flammable vapors can accumulate.

6.1.2. For emergency responders

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Dike and contain spill. Disposal should be in accordance with applicable Federal, State and local

regulations.

Methods for cleaning up : Collect spill

: Collect spillage. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid all eye and skin contact and do not breathe vapor and mist. Keep away from sources of

ignition - No smoking. Take precautionary measures against static discharges. Handle empty

containers with care because residual vapors are flammable.

Precautions for safe handling : No open flames. No smoking. Use only non-sparking tools.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands, forearms and face 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. Use explosion-proof Lighting equipment, ventilating

equipment.

Storage conditions : Store at room temperature away from light and moisture.

Incompatible materials : Heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN		
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	20 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.	
USA - OSHA - Occupational Exposure Limits		
OSHA PEL TWA [2]	40 ppm	
OSHA PEL STEL [2]	60 ppm	
1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) (2827-56-7 (Unlabeled))		
No additional information available		
ACETONITRILE UNLABELED (75-05-8)		
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA [ppm]	20 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.	
USA - OSHA - Occupational Exposure Limits		
OSHA PEL TWA [1]	70 mg/m³ The value in mg/m3 is approximate.	
OSHA PEL TWA [2]	40 ppm The value in mg/m3 is approximate.	
USA - NIOSH - Occupational Exposure Limits		
NIOSH REL TWA	34 mg/m³ Forms Cyanide in the body.	
NIOSH REL TWA [ppm]	20 ppm Forms Cyanide in the body.	

8.2. Appropriate engineering controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety procedures.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Protective clothing. Protective goggles. Gloves. Self-contained breathing apparatus.

Materials for protective clothing:

Wear suitable protective clothing and gloves

Hand protection:

Wear suitable protective clothing and gloves

Eye protection:

Chemical goggles or face shield with safety glasses

Skin and body protection:

Wear suitable protective clothing, gloves and eye/face protection

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

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Personal protective equipment symbol(s):









SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid, clear.
Color : Colorless
Odor : ether-like
Odor threshold : No data available

pH : No data available
Melting point : -48 °C (-54°F)
Freezing point : No data available
Rolling point : No data available
81 – 82 °C (178 -

Boiling point : $81 - 82 \,^{\circ}\text{C} \, (178 - 180 \,^{\circ}\text{F})$ Flash point : $2 \,^{\circ}\text{C} \, (35.6 \,^{\circ}\text{F})$ - closed cup

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : Highly flammable liquid and vapor.

Vapor pressure : 73.18 hPa (54.89 mmHg) at 15°C (59 °F), 119.81 hPa (89.86 mmHg) at 25°C(77 °F)

Partition coefficient n-octanol/water (Log Pow) : -0.34

Auto-ignition temperature : 523 °C (973 °F)

Decomposition temperature : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosion limits : 4.4 – 16 vol %

Explosive properties : No data available

Oxidizing properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Vapors may form explosive mixture with air.

10.2. Chemical stability

See storage and expiration date on CoA.

10.3. Possibility of hazardous reactions

Highly flammable liquid and vapor.

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10.4. Conditions to avoid

Heat. Open flame. Direct sunlight. Sparks. Extremely high or low temperatures.

10.5. Incompatible materials

Serious eye damage/irritation

Germ cell mutagenicity

Reproductive toxicity

Carcinogenicity

Respiratory or skin sensitization

Acids, Bases, Oxidizing agents, Reducing agents, Alkali metals.

10.6. Hazardous decomposition products

May release flammable gases. Carbon oxides (CO, CO2). Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Harmful in contact with skin.

Acute toxicity (inhalation) : Harmful if inhaled.

1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN		
LD50 oral rat	2460 mg/kg	
LD50 dermal rabbit	2000 mg/kg	
LC50 Inhalation - Rat	≥ 26.8 mg/l	
LC50 Inhalation - Rat [ppm]	7551 ppm - 8h	
ATE US (oral)	500 mg/kg body weight	
ATE US (dermal)	2000 mg/kg body weight	
ATE US (gases)	4500 ppmV/4h	
ATE US (vapors)	11 mg/l/4h	
ATE US (dust, mist)	1.5 mg/l/4h	
ACETONITRILE UNLABELED (75-05-8)		
LD50 oral rat	2460 mg/kg	
LD50 dermal rabbit	2000 mg/kg	
LC50 Inhalation - Rat	≥ 26.8 mg/l	
LC50 Inhalation - Rat [ppm]	7551 ppm - 8h	
ATE US (oral)	500 mg/kg body weight	
ATE US (dermal)	2000 mg/kg body weight	
ATE US (gases)	4500 ppmV/4h	
ATE US (vapors)	11 mg/l/4h	
ATE US (dust, mist)	1.5 mg/l/4h	
Skin corrosion/irritation :	Not classified	

: Causes serious eye damage.

Not classified

Not classified

: Not classified

: Not classified

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STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available

Potential Adverse human health effects and

symptoms

: Treat as cyanide poisoning. Always have on hand a cyanide first-aid kit, together with proper instructions. The onset of symptoms is generally delayed pending conversion to cyanide. Nausea, Vomiting, Diarrhea, Headache, Dizziness, Rash, Cyanosis, Excitement, Depression, Drowsiness, Impaired judgment, Lack of coordination, Stupor, Death. Lungs - Lung edema - Based on human evidence. Harmful if swallowed. Harmful in contact with skin. 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.

Symptoms/effects after inhalation : Harmful if inhaled. May cause respiratory irritation.

Symptoms/effects after skin contact : Repeated exposure to this material can result in absorption through skin causing significant

health hazard. Harmful in contact with skin.

Symptoms/effects after eye contact : Causes serious eye damage.

Symptoms/effects after ingestion : Swallowing a small quantity of this material will result in serious health hazard. Harmful if

swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

I-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN		
LC50 - Fish [1]	1640 mg/l Pimephales promelas (fathead minnow) - 96h	
EC50 - Crustacea [1]	3600 mg/l Daphnia magna (Water flea) - 48h	
NOEC (chronic)	640 mg/l Daphnia magna (Water flea) - 14d	
ACETONITRILE UNLABELED (75-05-8)		
LC50 - Fish [1]	1640 mg/l Pimephales promelas (fathead minnow) - 96h	
EC50 - Crustacea [1]	3600 mg/l Daphnia magna (Water flea) - 48h	

12.2. Persistence and degradability

1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN		
Persistence and degradability	Biodegradability	Result: - Readily biodegradable.
ACETONITRILE UNLABELED (75-05-8)		
Persistence and degradability	Biodegradability	Result: - Readily biodegradable.

12.3. Bioaccumulative potential

1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN		
Partition coefficient n-octanol/water (Log Pow)	-0.34	
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).	

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ACETONITRILE UNLABELED (75-05-8)	
Partition coefficient n-octanol/water (Log Pow)	-0.34
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).

12.4. Mobility in soil

1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN	
Ecology - soil	Not expected to absorb on soil.
ACETONITRILE UNLABELED (75-05-8)	
Ecology - soil Not expected to absorb on soil.	

12.5. Other adverse effects

Other adverse effects : Avoid release to the environment. Disposal must be done according to official regulations. May cause long lasting harmful effects to aquatic life.

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and local

environmental control regulations.

Product/Packaging disposal recommendations : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed

professional waste disposal service to dispose of this material.

Ecology - waste materials : Dispose of as unused product.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No : UN1648 UN-No. (TDG) : UN1648 UN-No. (IMDG) : 1648 UN-No. (IATA) : 1648

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Acetonitrile
Proper Shipping Name (TDG) : ACETONITRILE
Proper Shipping Name (IMDG) : ACETONITRILE
Proper Shipping Name (IATA) : Acetonitrile

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 3 Hazard labels (DOT) : 3



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TDG

Transport hazard class(es) (TDG) : 3 Hazard labels (TDG) : 3



IMDG

Transport hazard class(es) (IMDG) : 3 Hazard labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3



14.4. Packing group

Packing group (DOT) : II
Packing group (TDG) : II
Packing group (IMDG) : II
Packing group (IATA) : II

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

UN-No.(DOT) : UN1648

DOT Special Provisions (49 CFR 172.102) : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110

(31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T7 - 4 178.274(d)(2) Normal...... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59

F) and 50 C (122 F), respectively.

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

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DOT Quantity Limitations Passenger aircraft/rail (49 : 5 L

CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 60 L

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"

TDG

UN-No. (TDG) : UN1648
Explosive Limit and Limited Quantity Index : 1 L
Excepted quantities (TDG) : E2
Passenger Carrying Road Vehicle or Passenger : 5 L

Carrying Railway Vehicle Index

Emergency Response Guide (ERG) Number : 127

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

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

Properties and observations (IMDG) : Colourless, 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.

MFAG-No : 127

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

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN	
SARA Section 311/312 Hazard Classes	Fire hazard
	Immediate (acute) health hazard
	Delayed (chronic) health hazard

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%)	2827-56-7 (Unlabeled)	Not present	-	
ACETONITRILE UNLABELED	75-05-8	Present	Active	

1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) (2827-56-7 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.

ACETONITRILE UNLABELED (75-05-8)	
Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	5000 lb
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

15.2. International regulations

CANADA

1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN

Listed on the Canadian DSL (Domestic Substances List)

1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) (2827-56-7 (Unlabeled))

Listed on the Canadian DSL (Domestic Substances List)

ACETONITRILE UNLABELED (75-05-8)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN

CAUTION: This material is supplied for research and development purposes subject to the R&D exemption under TSCA, 40 CFR 720.36, and must meet the requirements of the exemption, including supervision by a "technically qualified individual" as defined by 40 CFR 720.3(ee). The use of this material for "commercial purposes" as defined by 40 CFR 720.3(r) is not permitted in the United States.

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ACETONITRILE UNLABELED (75-05-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%) 100 UG/ML IN CD3CN	
, and the second	U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List

Component	State or local regulations
1-AMINOHYDANTOIN HYDROCHLORIDE (AHD) (5,5-D2, 98%)(2827-56-7 (Unlabeled))	U.S Pennsylvania - RTK (Right to Know) List; U.S New Jersey - Right to Know Hazardous Substance List
ACETONITRILE UNLABELED(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

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Revision date : 04/25/2023

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending

Regulation (EC) No 1907/2006.

Other information : This product is not radioactive. The data given for this product are those of the corresponding

unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the

corresponding unlabeled compound. None.

Full text of H-phrases	
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled

Safety Data Sheet (SDS), USA

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.