

2-NITROTOLUENE UNLABELED 1 MG/ML IN ACETONITRILE

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 24/06/2015

Revision date: : Version: 1.0

ULM-3890-S

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

1.1. Product identifier

Product form : Mixtures

Product name. : 2-NITROTOLUENE UNLABELED 1 MG/ML IN ACETONITRILE

Product code : ULM-3890-S

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Cambridge Isotope Laboratories, Inc.

50 Frontage Road Andover, MA 01810

USA

USA: 1-800-322-1174 Int: 1-978-749-8000 cilsales@isotope.com www.isotope.com

Emergency telephone number

Emergency numbers:

Chemtrec: 1-800-424-9300 (24 hours) International: 1-703-741-5970 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

 Flam. Liq. 2
 H225

 Acute Tox. 4 (Oral)
 H302

 Acute Tox. 4 (Dermal)
 H312

 Acute Tox. 4 (Inhalation:dust,mist)
 H332

 Eye Irrit. 2
 H319

 Muta. 1B
 H340

 Carc. 1B
 H350

 Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11

Full text of R-phrases: see section 16

Classification (GHS-US)

Flam. Liq. 2 H225
Acute Tox. 4 (Oral) H302
Acute Tox. 4 (Dermal) H312
Acute Tox. 4 (Inhalation:dust,mist) H332
Eye Irrit. 2A H319
Muta. 1B H340
Carc. 1B H350

Adverse physicochemical, human health and environmental effects

Lungs, Blood, Kidney, Liver, Central nervous system.

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2.2. Label elements

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

Hazard pictograms (CLP)

Signal word (CLP)

Hazardous ingredients







GHS02

: Danger

Danger

: 2-NITROTOLUENE UNLABELED. ACETONITRILE UNLABELED

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

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

H319 - Causes serious eye irritation H340 - May cause genetic defects H350 - May cause cancer

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

smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical, lighting, ventilating equipment P261 - Avoid breathing fume, dust, gas, mist, spray, vapors P264 - Wash Both hands thoroughly after handling P270 - Do no eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area

GHS-US labeling

Signal word (GHS-US)

Hazard pictograms (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

H319 - Causes serious eye irritation

H340 - May cause genetic defects (Dermal, Inhalation, oral)

H350 - May cause cancer (Inhalation, Dermal, oral)

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

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

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge P261 - Avoid breathing dust, gas, fume, mist, spray, vapors P264 - Wash Both hands thoroughly after handling P270 - Do no eat, drink or smoke when using this product

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves, protective clothing, face protection, eye protection

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P302+P352 - IF ON SKIN: Wash with plenty of soap and water 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 victim to fresh air and keep at rest in a position 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
P308+P313 - IF exposed or concerned: Get medical advice/attention

P308+P313 - IF exposed or concerned: Get medical advice/attention P312 - Call a POISON CENTER/doctor/physician if you feel unwell P321 - Specific treatment (see Hazard pictograms (CLP) on this label) P330 - If swallowed, rinse mouth

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 Alcohol resistant foam., Carbon dioxide., Dry chemical., Water

spray for extinction

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

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P405 - Store locked up

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

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

3.2. Mixtures			
Name	Product identifier	%	Classification according to Directive 67/548/EEC
ACETONITRILE UNLABELED	(CAS No) 75-05-8 (EC no) 200-835-2 (EC index no) 608-001-00-3	99.8728	F; R11
2-NITROTOLUENE UNLABELED	(CAS No) 88-72-2 (EC no) 201-853-3 (EC index no) 609-065-00-5	0.1272	T; R23/24/25 N; R51/53 R33
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ACETONITRILE UNLABELED	(CAS No) 75-05-8 (EC no) 200-835-2 (EC index no) 608-001-00-3	99.8728	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
2-NITROTOLUENE UNLABELED	(CAS No) 88-72-2 (EC no) 201-853-3 (EC index no) 609-065-00-5	0.1272	Acute Tox. 4 (Oral), H302 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361fd Aquatic Chronic 2, H411
Name	Product identifier	%	Classification (GHS-US)
ACETONITRILE UNLABELED	(CAS No) 75-05-8	99.8728	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319
2-NITROTOLUENE UNLABELED	(CAS No) 88-72-2	0.1272	Acute Tox. 4 (Oral), H302 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

Full text of R-, H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1.	Description	of first aid measure	e

First-aid measures general : Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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

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

Symptoms/injuries : May cause genetic defects (Inhalation, dermal, oral). May cause cancer (Inhalation, dermal, oral)

Symptoms/injuries after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.

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

Symptoms/injuries after eye contact : Causes eye irritation.

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

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Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

Extinguishing media

suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapor.

Explosion hazard : May form flammable/explosive vapor-air mixture. Reactivity : Vapors may form explosive mixture with air.

Advice for firefighters

Firefighting instructions : Use water spray to cool unopened containers.

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smokina.

6.1.1. For non-emergency personnel

Emergency procedures : Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours

accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.1.2 For emergency responders

No additional information available

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-For containment

brushing and place in container for disposal according to local regulations.

Reference to other sections

No additional information available

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling : No naked lights. No smoking. Use only non-sparking tools. Use only outdoors or in a wellventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. In case of leaking gas fire, eliminate all ignition sources if safe

to do so.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before Hygiene measures

breaks and at the end of workday.

Conditions for safe storage, including any incompatibilities

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

container and receiving equipment. Use explosion-proof electrical equipment.

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

Incompatible materials : Heat sources.

Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

Control parameters 8.1.

	2-NITROTOLUENE UNLABELED	1 MG/ML IN ACETONITRILE
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Italy - Portugal - USA ACGIH ACGIH TWA (ppm) 20.000000000 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.

2-NITROTOLUENE UNLABELED (88-72-2)

OSHA PEL (TWA) (ppm) USA OSHA 5.0000000000 ppm Skin designation.

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ACETONITRILE UNLABELED (75-05-8)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20.0000000000 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.
USA OSHA	OSHA PEL (TWA) (ppm)	40.000000000 ppm
USA OSHA	OSHA PEL (STEL) (ppm)	60.000000000 ppm

8.2. Exposure controls

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.



Hand protection : Wear suitable protective clothing and gloves.

Eye protection : Wear safety glasses with side shields (or goggles) and a face shield.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : When appropriate, use NIOSH/CEN approved respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

The properties listed below are for the solvent, the main component of this mixture.

Physical state : Liquid

Appearance : Liquid, clear.

Molecular mass : 41.05

Color : Colourless.

Odor : ether-like.

Odor threshold : No data available
pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : -48 °C (-54°F)
Freezing point : No data available
Boiling point : 81 - 82 °C (178 - 180 °F)
Flash point : 2.0 °C (35.6 °F) - closed cup

Self ignition temperature : 523 °C (973 °F)

Decomposition temperature : 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)

Relative vapor density at 20 °C : 1.42 - (Air = 1.0)
Relative density : No data available
Solubility : Water: 100 %
Log Pow : -0.34

Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosive limits : 4.4 - 16 vol %

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

No additional information available

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Conditions to avoid

Open flame. Direct sunlight.

Incompatible materials 10.5.

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

10.6. **Hazardous decomposition products**

May release flammable gases.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity : Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.

·		
2-NITROTOLUENE UNLABELED 1 MG/ML IN ACETONITRILE		
LD50 oral rat	2460 mg/kg	
LD50 dermal rabbit	2000 mg/kg	
LC50 inhalation rat (mg/l)	≥ 26.8 mg/l	
LC50 inhalation rat (ppm)	7551 ppm - 8h	
ATE (oral)	500.000 mg/kg body weight	
ATE (dermal)	1100.000 mg/kg body weight	
ATE (gases)	4500.000 ppmV/4h	
ATE (vapors)	11.000 mg/l/4h	
ATE (dust, mist)	1.500 mg/l/4h	

2-NITROTOLUENE UNLABELED (88-72-2)	
LD50 oral rat	891 mg/kg
ATE (oral)	891.000 mg/kg body weight

ACETONITRILE UNLABELED (75-05-8)	
LD50 oral rat	2460 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	≥ 26.8 mg/l
LC50 inhalation rat (ppm)	7551 ppm - 8h
ATE (oral)	500.000 mg/kg body weight
ATE (dermal)	2000.000 mg/kg body weight
ATE (gases)	4500.000 ppmV/4h
ATE (vapors)	11.000 mg/l/4h
ATE (dust, mist)	1.500 mg/l/4h

Skin corrosion/irritation : Not classified

> Skin - rabbit - No skin irritation : Causes serious eye irritation.

Serious eye damage/irritation Eyes - Rabbit - Irritating to eyes

Respiratory or skin sensitization : Did not cause sensitization on laboratory animals.

Buehler Test - guinea pig - Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : No evidence of carcinogenicity in animal studies (when indicated).

Reproductive toxicity : Animal testing did not show any effects on fertility.

Specific target organ toxicity (single exposure) : Not classified

The substance or mixture is not classified as specific target organ toxicant.

Specific target organ toxicity (repeated exposure)

: Not classified

The substance or mixture is not classified as specific target organ toxicant.

Aspiration hazard : Not classified

Potential Adverse human health effects and

symptoms

: Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.

Symptoms/injuries after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if

inhaled.

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

health hazard. Harmful in contact with skin.

Symptoms/injuries after eye contact

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

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UN-No.(DOT)

DOT NA no.

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SECTION 12: Ecological information		
12.1. Toxicity		
2-NITROTOLUENE UNLABELED 1 MG/M	I IN ACETONITRII E	
LC50 fish 1	1640.00 mg/l Pimephales promelas (fathead minnow) - 96h	
EC50 Daphnia 1	3600 mg/l Daphnia magna (Water flea) - 48h	
NOEC (chronic)	640 mg/l Daphnia magna (Water flea) - 14d	
2-NITROTOLUENE UNLABELED (88-72-2		
EC50 Daphnia 1	5.4 mg/l Daphnia magna (Water flea) - 48 h	
'	orring Dapinia magna (Trainina)	
ACETONITRILE UNLABELED (75-05-8) LC50 fish 1	4640 00 mg/l Dimanhalas promotos (fotbood minnous) OCh	
EC50 Daphnia 1	1640.00 mg/l Pimephales promelas (fathead minnow) - 96h 3600 mg/l Daphnia magna (Water flea) - 48h	
NOEC (chronic)	640 mg/l Daphnia magna (Water flea) - 14d	
NOLO (CITOTIC)	040 mg/i Dapinila magna (water ilea)	
12.2. Persistence and degradability		
2-NITROTOLUENE UNLABELED 1 MG/M	L IN ACETONITRILE	
Persistence and degradability	Biodegradability Result: - Readily biodegradable.	
2-NITROTOLUENE UNLABELED (88-72-2 Persistence and degradability	Not available.	
	INUL AVAIIADIE.	
ACETONITRILE UNLABELED (75-05-8)		
Persistence and degradability	Biodegradability Result: - Readily biodegradable.	
12.3. Bioaccumulative potential		
2-NITROTOLUENE UNLABELED 1 MG/M	L IN ACETONITRILE	
Log Pow	-0.34	
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).	
2-NITROTOLUENE UNLABELED (88-72-2		
Bioaccumulative potential	Not available.	
·		
ACETONITRILE UNLABELED (75-05-8) Log Pow	-0.34	
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).	
·	The blocked midital to be expected (log f on <- 4).	
12.4. Mobility in soil		
2-NITROTOLUENE UNLABELED 1 MG/M		
Ecology - soil	Not expected to absorb on soil.	
2-NITROTOLUENE UNLABELED (88-72-2		
Ecology - soil	Not available.	
ACETONITRILE UNLABELED (75-05-8)		
Ecology - soil	Not expected to absorb on soil.	
12.5. Results of PBT and vPvB assess	ment	
No additional information available		
12.6. Other adverse effects		
Other adverse effects	: Avoid release to the environment.	
SECTION 13: Disposal considerat	ions	
13.1. Waste treatment methods		
Regional legislation (waste)	: Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.	
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.	
Additional information	: Handle empty containers with care because residual vapors are flammable.	
SECTION 14: Transport information	on Control of the Con	
In accordance with ADR / RID / ADNR / IMDO	G/ICAO/IATA	
14.1. UN number		
LINLAL (DOT)		

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: 1648

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14.2. UN proper shipping name

DOT Proper Shipping Name

Department of Transportation (DOT) Hazard

Classes

Hazard labels (DOT) : 3 - Flammable liquid



: Acetonitrile

Packing group (DOT)

DOT Special Provisions (49 CFR 172.102)

: II - Medium Danger

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 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)

: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

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

14.3. Additional information

Other information : No supplementary information available.

Overland transport

Packing group (ADR) : II

Class (ADR) : 3 - Flammable liquid

Hazard identification number (Kemler No.) : 33 Classification code (ADR) : F1

Danger labels (ADR) : 3 - Flammable liquids



Orange plates

33 1648

Tunnel restriction code : D/E
Limited quantities (ADR) 1L
EAC : •2YE
Excepted quantities (ADR) : E2

Transport by sea

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"

MFAG-No : 127

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Air transport

DOT Quantity Limitations Passenger aircraft/rail : 5L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 60 L

CFR 175.75)

Civil Aeronautics Law : Flammable liquids

14.4. Environmental hazards

Other information : No supplementary information available.

14.5. Special precautions for user

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

2-NITROTOLUENE UNLABELED 1 MG/ML IN ACETONITRILE	
Listed on SARA Section 313 (Specific toxic chemical listings)	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

2-NITROTOLUENE UNLABELED (88-72-2)

SARA Section 311/312 Hazard Classes

Immediate (acute) health hazard
Delayed (chronic) health hazard

ACETONITRILE UNLABELED (75-05-8)

Listed on SARA Section 313 (Specific toxic chemical listings)

SARA Section 311/312 Hazard Classes

Fire hazard
Immediate (acute) health hazard
Delayed (chronic) health hazard

15.2. International regulations

CANADA

2-NITROTOLUENE UNLABELED 1 MG/ML IN ACETONITRILE

Listed on the Canadian DSL (Domestic Substances List) inventory.

ACETONITRILE UNLABELED (75-05-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

15.2.1. National regulations

No additional information available

15.3. US State regulations

2-NITROTOLUENE UNLABELED 1 MG/ML IN ACETONITRILE()		
State or local regulations 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	
	This product does not contain any chemicals known to State of California to cause cancer,	
	birth defects, or any other reproductive harm.	

2-NITROTOLUENE UNLABELED (88-72-2)

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

WARNING! This product contains a chemical known by the state of California to cause cancer.

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ACETONITRILE UNLABELED (75-05-8)

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

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

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.

Full text of R-, H- and EUH-phrases::

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Carc. 1B	Carcinogenicity Category 1B
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Muta. 1B	Germ cell mutagenicity Category 1B
Repr. 2	Reproductive toxicity Category 2
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H332	Harmful if inhaled
H340	May cause genetic defects
H350	May cause cancer
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child
H411	Toxic to aquatic life with long lasting effects
R11	Highly flammable
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R33	Danger of cumulative effects
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
F	Highly flammable
N	Dangerous for the environment
Т	Toxic

NFPA health hazard

: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt

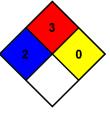
medical attention is given.

NFPA fire hazard

: 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

: 2 Moderate Hazard - Temporary or minor injury may occur Health

Flammability : 3 Serious Hazard Physical : 0 Minimal Hazard

CIL Mixture SDS

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

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