

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: 17/06/2015

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Version: 1.0

## CLM-7389-S

<b>SECTION 1: Identification</b>	of the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name.	: 4-FLUORO-3-PHENOXYBENZOIC ACID (13C6, 99%) 100 UG/ML IN ACETONITRILE
Product code	: CLM-7389-S
1.2. Relevant identified use	s of the substance or mixture and uses advised against
1.2.1. Relevant identified use	S
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 Cambridge Isotope Laboratories, Ir	of the safety data sheet
50 Frontage Road	ιυ.
Andover, MA 01810 USA	
USA: 1-800-322-1174 Int: 1-978	-749-8000
cilsales@isotope.com www.isoto	
Emergency telephone	number
Emergency numbers:	
Chemtrec: 1-800-424-9300 (24 hd	ours)
International: 1-703-741-5970 (24	hours)
<b>SECTION 2: Hazards ident</b>	lification
2.1. Classification of the su	bstance or mixture
Classification according to Regu	Ilation (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
Full text of H-phrases: see section	16
Classification according to Direc	ctive 67/548/EEC or 1999/45/EC
F; R11	
Full text of R-phrases: see section	16
CHE LIE placeification	
GHS-US classification	H225
Flam. Liq. 2 Acute Tox. 4 (Oral)	H225 H302
Acute Tox. 4 (Dermal)	H312
Acute Tox. 4 (Inhalation:dust,mist)	
Eye Irrit. 2A	H319

Adverse physicochemical, human health and environmental effects

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

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### 2.2. Label elements

Hazard pictograms (GHS-US)

Signal word (GHS-US)

Hazard statements (GHS-US)

Precautionary statements (GHS-US)

Z.Z. Label elements	
Labelling according to Regulation (EC	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	GHS02 GHS07
Signal word (CLP)	: Danger
Hazardous ingredients	: ACETONITRILE UNLABELED
Hazard statements (CLP)	<ul> <li>H225 - Highly flammable liquid and vapour</li> <li>H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled</li> <li>H319 - Causes serious eye irritation</li> </ul>
Precautionary statements (CLP)	<ul> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking</li> <li>P233 - Keep container tightly closed</li> <li>P240 - Ground/bond container and receiving equipment</li> <li>P241 - Use explosion-proof electrical, lighting, ventilating equipment</li> <li>P261 - Avoid breathing dust, fume, gas, mist, spray, vapours</li> <li>P264 - Wash Both hands thoroughly after handling</li> <li>P270 - Do no eat, drink or smoke when using this product</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> </ul>
GHS-US labelling	



- : Danger
- : H225 Highly flammable liquid and vapour
- H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled H319 - Causes serious eye irritation
- : 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, fume, gas, mist, spray, vapours
  - 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 eye protection, face protection, protective clothing, protective gloves

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

- 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

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

No additional information available

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## SECTION 3: Composition/information on ingredients

## 3.1. Substances

## Not applicable

3.2. Mixture			
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 (REACH-no) 01-2119471307-38	99.987	F; R11 Xi; R36 Xn; R20/21/22
4-FLUORO-3-PHENOXYBENZOIC ACID (13C6, 99%)	(CAS No) 77279-89-1 (Unlabeled)	0.013	Xn; R22
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 (REACH-no) 01-2119471307-38	99.987	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
4-FLUORO-3-PHENOXYBENZOIC ACID (13C6, 99%)	(CAS No) 77279-89-1 (Unlabeled)	0.013	Acute Tox. 4 (Oral), H302
Name	Product identifier	%	GHS-US classification
ACETONITRILE UNLABELED	(CAS No) 75-05-8	99.987	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	
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	: 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	: 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 effect	ts, both acute and delayed
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.
4.3. Indication of any immediate medical	attention and special treatment needed

No additional information available

SECTION 5: Firefighting me	easures
5.1. Extinguishing media	
Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
5.2. Special hazards arising f	rom the substance or mixture
Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
Reactivity	: Vapors may form explosive mixture with air.
5.3. 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.
44/04/0040	

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SECTI	ON 6: Accidental release measu	ires		
6.1.	. Personal precautions, protective equipment and emergency procedures			
General	neasures	Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.		
6.1.1.	For non-emergency personnel			
Emergen	cy 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 additi	onal information available			
6.2.	Environmental precautions			
Prevent f	urther leakage or spillage if safe to do so.	Do not let product enter drains.		
6.3.	Methods and material for containmen	t and cleaning up		
For conta	ainment	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet- brushing and place in container for disposal according to local regulations.		
6.4.	Reference to other sections			
No additi	onal information available			
SECTIO	ON 7: Handling and storage			
7.1.	Precautions for safe handling			
Additiona	I hazards when processed	Handle empty containers with care because residual vapours are flammable.		
Precautio	ons for safe handling	No naked lights. No smoking. Use only non-sparking tools. Use only outdoors or in a well- ventilated area. Avoid breathing dust, mist or spray.		
Hygiene	measures	Do no eat, drink or smoke when using this product. Wash Both hands thoroughly after handling.		
7.2.	Conditions for safe storage, including	any incompatibilities		
Technica	Imeasures	<ul> <li>Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.</li> </ul>		
Storage of	conditions	Store at room temperature away from light and moisture.		
Incompat	ible materials	Heat sources.		
7.3.	Specific end use(s)			
No additi	onal information available			

### SECTION 8: Exposure controls/personal protection

8.1. Control parameters					
4-FLUORO-3-PHENOXYBEN	4-FLUORO-3-PHENOXYBENZOIC ACID (13C6, 99%) 100 UG/ML IN ACETONITRILE				
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20.0000000000 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.			
ACETONITRILE UNLABELED	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 NIOSH	NIOSH REL (TWA) (mg/m3)	34 mg/m <sup>3</sup> Forms Cyanide in the body.			
USA NIOSH	NIOSH REL (TWA) (ppm)	20 ppm Forms Cyanide in the body.			
USA OSHA	OSHA PEL (TWA) (mg/m3)	70 mg/m <sup>3</sup> The value in mg/m3 is approximate.			
USA OSHA	OSHA PEL (TWA) (ppm)	40.0000000000 ppm The value in mg/m3 is approximate.			

### 8.2. Exposure controls

Personal protective equipment

Hand protection Eye protection Skin and body protection Respiratory protection : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.



- : Wear suitable protective clothing and gloves.
- : Wear safety glasses with side shields (or goggles) and a face shield.
- : Wear suitable protective clothing.
- : Wear approved mask.

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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 g/mol			
Colour	: Colourless.			
Odour	: ether-like.			
Odour threshold	: No data available			
рН	: No data available			
Relative evaporation rate (butylacetate=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 vapour			
Vapour pressure	: 73.18 hPa (54.89 mmHg) at 15°C (59 °F), 119.81 hPa (89.86 mmHg) at 25°C(77 °F)			
Relative vapour density at 20 °C	: 1.42 - (Air = 1.0)			
Relative density	: No data available			
Density	: 0.786 g/ml			
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			
Oxidising properties	: No data available			
Explosive limits	: 4.4 - 16 vol %			
9.2. Other information				
No additional information available				
<b>SECTION 10: Stability and reactivity</b>				
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

**10.4.** Conditions to avoid Open flame. Direct sunlight.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

May release flammable gases.

SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Acute toxicity	: Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.		
4-FLUORO-3-PHENOXYBENZOIC ACID (13C6, 99%) 100 UG/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		

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4-FLUORO-3-PHENOXYBENZOIC ACID (130	C6, 99%) 100 UG/ML IN ACETONITRILE		
ATE (oral)	500.000 mg/kg bodyweight		
ATE (dermal)	1100.000 mg/kg bodyweight		
ATE (gases)	4500.000 ppmV/4h		
ATE (vapours)	11.000 mg/l/4h		
ATE (dust,mist)	1.500 mg/l/4h		
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 bodyweight		
ATE (dermal)	2000.000 mg/kg bodyweight		
ATE (gases)	4500.000 ppmV/4h		
ATE (vapours)	11.000 mg/l/4h		
ATE (dust,mist)	1.500 mg/l/4h		
4-FLUORO-3-PHENOXYBENZOIC ACID (130	C6, 99%) (77279-89-1 (Unlabeled))		
ATE (oral)	500.000 mg/kg bodyweight		
Skin corrosion/irritation	: Not classified		
	Skin - rabbit - No skin irritation		
Serious eye damage/irritation	: Causes serious eye irritation.		
Serie de Gye damage/imation	Eyes - Rabbit - Irritating to eyes		
Respiratory or skin sensitisation	: Did not cause sensitization on laboratory animals.		
	Buehler Test - guinea pig - Did not cause sensitisation on laboratory animals.		
Germ cell mutagenicity	: Not classified		
0,			
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	: Not classified		
exposure)	The substance or mixture is not classified as specific target organ toxicant.		
Againstian bazard			
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	: Causes eye irritation.		

4-FLUORO-3-PHENOXYBENZO	C ACID (13C6, 99%) 100 UG/ML IN ACETONITRILE		
LC50 fishes 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		
ACETONITRILE UNLABELED (75-05-8)			
LC50 fishes 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		

12.2. Persistence and degradability			
4-FLUORO-3-PHENOXYBENZOIC ACID (13C6,	99%) 100 UG/ML I	N ACETONITRILE	
Persistence and degradability	Biodegradability	Result: - Readily biodegradable.	
11/04/2016	EN (English)		6/10

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ACETONITRILE UNLABELED (75-05-8)			
Persistence and degradability	Biodegradability Result: - Readily biodegradable.		
12.3. Bioaccumulative potential			
4-FLUORO-3-PHENOXYBENZOIC ACID (130			
Log Pow Ricecoursulative potential	-0.34 No bioaccumulation is to be expected (log Pow <= 4).		
Bioaccumulative potential	No bibaccumulation is to be expected (log Pow <= 4).		
ACETONITRILE UNLABELED (75-05-8)			
Log Pow	-0.34 No bioaccumulation is to be expected (log Pow <= 4).		
Bioaccumulative potential	No bloaccumulation is to be expected (log Pow <= 4).		
12.4. Mobility in soil			
4-FLUORO-3-PHENOXYBENZOIC ACID (130			
Ecology - soil	Not expected to absorb on soil.		
ACETONITRILE UNLABELED (75-05-8)			
Ecology - soil	Not expected to absorb on soil.		
12.5. Results of PBT and vPvB assessme	nt		
No additional information available			
12.6. Other adverse effects			
Other adverse effects	: Avoid release to the environment.		
SECTION 13: Disposal consideration			
SECTION 13: Disposal consideration			
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 vapours are flammable.		
<b>SECTION 14: Transport information</b>			
In accordance with ADR / RID / ADNR / IMDG /	ICAO / IATA		
14.1. UN number			
UN-No.(DOT)	: 1648		
DOT NA no.	UN1648		
14.2. UN proper shipping name			
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		
	3		
Packing group (DOT)	: II - Medium Danger		
DOT Special Provisions (49 CFR 172.102)	<ul> <li>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.</li> <li>T7 - 4 178.274(d)(2) Normal</li></ul>		
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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14.3. Additional information	
Other information	: No supplementary information available.
Overland transport	
Packing group (ADR)	: 11
Class (ADR)	: 3 - Flammable liquids
Hazard identification number (Kemler No.)	: 33
Classification code (ADR)	: F1
Danger labels (ADR)	: 3 - Flammable liquids
	3
Orange plates	33 1648
Tunnel restriction code	: D/E
Limited quantities (ADR)	1L
EAC code	: •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" or 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
Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
Civil Aeronautics Law	: Flammable liquids(Hazardous materials notice Appended Table 1 Article 194 of the Enforceme Regulations)
14.4. Environmental hazards	
Other information	: No supplementary information available.
14.5. Special precautions for user	
14.6. Transport in bulk according to Anne	x II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information		
15.1. US Federal regulations		
4-FLUORO-3-PHENOXYBENZOIC ACID (13C6, 99%) 100 UG/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	
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	

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### 15.2. International regulations

### CANADA

4-FLUORO-3-PHENOXYBENZOIC ACID (13C6, 99%) 100 UG/ML IN ACETONITRILE

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

### ACETONITRILE UNLABELED (75-05-8)

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

### 15.2.1. National regulations

No additional information available

### 15.3. US State regulations

4-FLUORO-3-PHENOXYBENZOIC ACID (13C6, 99%) 100 UG/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.	

### 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::

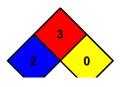
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
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
R11	Highly flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R22	Harmful if swallowed
R36	Irritating to eyes
F	Highly flammable
Xi	Irritant
Xn	Harmful

NFPA health hazard

NFPA fire hazard

: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

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



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NFPA reactivity

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

## HMIS III Rating

Health Flammability Physical

- : 2 Moderate Hazard Temporary or minor injury may occur
- : 3 Serious Hazard
- : 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