

# Safety Data Sheet

 according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

 Date of issue: 25/07/2018
 Revision date:
 :
 Version: 1.0

 ULM-3850-S

SECTION 1: Identif	fication of the substance/mixture and of the company/undertaking	
1.1. Product ident		
Product form	: Mixtures	
Product name	: 1,3-DINITROBENZENE UNLABELED 1 MG/ML IN ACETONITRILE	
Product code	: ULM-3850-S	
1.2. Relevant iden	tified uses of the substance or mixture and uses advised against	
1.2.1. Relevant iden	tified uses	
Main use category	: Professional use	
Industrial/Professional us	se spec : For professional use only	
1.2.2. Uses advised	against	
No additional information		
1.3. Details of the	supplier of the safety data sheet	
Cambridge Isotope Labo	supplier of the safety data sheet	
50 Frontage Road Andover, MA 01810 USA		
USA: 1-800-322-1174 cilsales@isotope.com	Int: 1-978-749-8000 www.isotope.com	
Emergency te	lephone number	
Emergency numbers:		
Chemtrec: 1-800-424-93 International: 1-703-741		
<b>SECTION 2: Hazar</b>	ds identification	
2.1. Classification of the substance or mixture		
Classification accordin	g to Regulation (EC) No. 1272/2008 [CLP]	
	g to Regulation (EC) No. 1272/2008 [CLP] H225	
Classification accordin Flam. Liq. 2 Acute Tox. 4 (Oral)		
Flam. Liq. 2	H225	
Flam. Liq. 2 Acute Tox. 4 (Oral)	H225 H302 H312	
Flam. Liq. 2 Acute Tox. 4 (Oral) Acute Tox. 4 (Dermal)	H225 H302 H312	
Flam. Liq. 2 Acute Tox. 4 (Oral) Acute Tox. 4 (Dermal) Acute Tox. 4 (Inhalation) Eye Irrit. 2A	H225 H302 H312 H332	
Flam. Liq. 2 Acute Tox. 4 (Oral) Acute Tox. 4 (Dermal) Acute Tox. 4 (Inhalation) Eye Irrit. 2A Full text of hazard classe	H225 H302 H312 H332 H319 es and H-statements : see section 16	
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Adverse physicochemical, human health and environmental effects

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

## 3850-S

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## 2.2. Label elements

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

Hazard pictograms (CLP)

Signal word (CLP) Hazard statements (CLP)

Precautionary statements (CLP)

- : 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, 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 vapors, mist, gas.
  - P264 Wash hands, forearms and face thoroughly after handling.
  - P270 Do not eat, drink or smoke when using this product.
  - P271 Use only outdoors or in a well-ventilated area.

## **GHS-US** labeling

Hazard pictograms (GHS-US)

Signal word (GHS-US) Hazard statements (GHS-US)

Precautionary statements (GHS-US)



- : 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, vapors.
- P264 Wash hands, forearms and face 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 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

P312 - Call a doctor if you feel unwell

P321 - Specific treatment (see Hazardous component(s) for labeling on this label) P330 - 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 (CO2), dry

extinguishing powder to extinguish. P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

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## SECTION 3: Composition/Information on ingredients

### 3.1. **Substances**

### Not applicable 32 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 (REACH-no) 01-2119471307-38	99.87	F; R11 Xi; R36 Xn; R20/21/22
1,3-DINITROBENZENE UNLABELED	(CAS-No.) 99-65-0 (Unlabeled) (EC-No.) 202-776-8 (EC Index-No.) 609-004-00-2	0.13	T+; R26/27/28 N; R50/53 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 (REACH-no) 01-2119471307-38	99.87	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
1,3-DINITROBENZENE UNLABELED	(CAS-No.) 99-65-0 (Unlabeled) (EC-No.) 202-776-8 (EC Index-No.) 609-004-00-2	0.13	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist), H330 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Name	Product identifier	%	GHS-US classification
ACETONITRILE UNLABELED	(CAS-No.) 75-05-8	99.87	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319
1,3-DINITROBENZENE UNLABELED	(CAS-No.) 99-65-0 (Unlabeled)	0.13	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Acute Tox. 1 (Inhalation), H330 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

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 effe	cts, both acute and delayed
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 irritation.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.

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

No additional information available

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
5.2. Special hazards arising from the su	
Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
Reactivity	: Vapors may form explosive mixture with air.
5.3. Advice for firefighters	
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.
SECTION 6: Accidental release mea	asures
	quipment 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 r	not allow to enter drains or water courses. Avoid release to the environment.
6.3. Methods and material for containm	ent and cleaning up
For containment	: Dike and contain spill. Disposal should be in accordance with applicable Federal, State and
Methods for cleaning up	<ul> <li>local regulations.</li> <li>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.</li> </ul>
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, includ	
Technical measures	<ul> <li>Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof Lighting equipment, ventilating equipment.</li> </ul>
Storage conditions	: Store at room temperature away from light and moisture.
Incompatible materials	: Heat sources.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pers	sonal protection
8.1. Control parameters	
1,3-DINITROBENZENE UNLABELED 1 MG/	
1,5 DIMINOUSLINE UNLADELED I WIG/	

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1,3-DINITROBENZENE UNLABELED 1 MG/ML IN ACETONITRILE				
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 ppm The value in mg/m3 is approximate.		
1,3-DINITROBENZENE UNLA	1,3-DINITROBENZENE UNLABELED (99-65-0 (Unlabeled))			
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	0.15000000 ppm Eye damage. Methemoglobinemia.		
USA OSHA	OSHA PEL (TWA) (mg/m³)	1 mg/m <sup>3</sup> Skin designation.		
ACETONITRILE UNLABELED	ACETONITRILE UNLABELED (75-05-8)			
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20.00000000 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 ppm The value in mg/m3 is approximate.		

### 8.2. **Exposure controls**

Appropriate engineering controls

Personal protective equipment

- : Handle in accordance with good industrial hygiene and safety procedures.
- : 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.
Environmental exposure controls	: Avoid release to the environment.

Environmental exposure controls

SECTION 0. Physical and chamical	proportion	
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	
Color	: Colorless	
Odor	: ether-like	
Odor threshold	: No data available	
рН	: 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 °C (35.6 °F) - closed cup	
Auto-ignition temperature	: 523 °C (973 °F)	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Highly flammable liquid and vapour	
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	
Specific gravity / density	: 0.786 g/ml	
Solubility	: Water: 100 %	
Log Pow	: -0.34	

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: No data available
: No data available
: 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

Highly flammable liquid and vapour.

10.4. **Conditions to avoid** 

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

### 10.5. **Incompatible materials**

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

### 10.6. Hazardous decomposition products

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

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. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.	
1,3-DINITROBENZENE 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 CLP (oral)	500.000 mg/kg body weight	
ATE CLP (dermal)	2000.000 mg/kg body weight	
ATE CLP (gases)	4500.000 ppmV/4h	
ATE CLP (vapors)	11.000 mg/l/4h	
ATE CLP (dust, mist)	1.500 mg/l/4h	
1,3-DINITROBENZENE UNLABELED (99-65-0 (	(Unlabeled))	
LD50 oral rat	59.5 mg/kg	
ATE CLP (oral)	59.500 mg/kg body weight	
ATE CLP (dermal)	5.000 mg/kg body weight	
ATE CLP (dust, mist)	0.050 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 CLP (oral)	500.000 mg/kg body weight	
ATE CLP (dermal)	2000.000 mg/kg body weight	
ATE CLP (gases)	4500.000 ppmV/4h	
ATE CLP (vapors)	11.000 mg/l/4h	
ATE CLP (dust, mist)	1.500 mg/l/4h	
Skin corrosion/irritation	: Not classified	
	Skin rabbit No skin irritation	

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Serious eye damage/irritation	: Causes serious eye irritation.
	rabbit Eyes Irritating to eyes
Respiratory or skin sensitization	: Did not cause sensitization on laboratory animals. Buehler Test - guinea pig - Did not cause sensitization on laboratory animals. (OECD 406 method)
Germ cell mutagenicity	: Not classified
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.
Aspiration hazard	: Not classified
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 irritation.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.

<b>SECTION 12: Ecological</b>	information
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12.1. Toxicity		
1,3-DINITROBENZENE UNLABELED 1 MG/ML IN ACETONITRILE		
LC50 fish 1	1640 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	
1,3-DINITROBENZENE UNLABELED (99-65-0 (Unlabeled))		
LC50 fish 1	1.7 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h	
EC50 Daphnia 1	27.4 mg/l Daphnia magna (Water flea) - 48 h	
ACETONITRILE UNLABELED (75-05-8)		
LC50 fish 1	1640 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

1,3-DINITROBENZENE UNLABELED 1 MG/ML	IN ACETONITRILE				
Persistence and degradability	Biodegradability	Result: - Readily biodegradable.			
1,3-DINITROBENZENE UNLABELED (99-65-0 (					
Persistence and degradability	Not available.				
ACETONITRILE UNLABELED (75-05-8)					
Persistence and degradability	Biodegradability	Result: - Readily biodegradable.			
12.3. Bioaccumulative potential					
1,3-DINITROBENZENE UNLABELED 1 MG/ML IN ACETONITRILE					
Log Pow	-0.34				
Bioaccumulative potential	cumulative potential No bioaccumulation is to be expected (log Pow <= 4).				
1,3-DINITROBENZENE UNLABELED (99-65-0 (Unlabeled))					
Bioaccumulative potential	accumulative potential Not available.				

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ACETONITRILE UNLABELED (75-05-8)	
Log Pow	-0.34
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).
12.4. Mobility in soil	
1,3-DINITROBENZENE UNLABELED 1 MG/M	
Ecology - soil	Not expected to absorb on soil.
1,3-DINITROBENZENE UNLABELED (99-65-0	) (Unlabeled))
Ecology - soil	Not available.
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	Ausid release to the equiverse of Discord south to done eccention to efficiel equilations. May
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 consideration	IS
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.
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 ADR / RID / IMDG / IATA / AI	DN
14.1. UN number	
UN-No.(DOT)	: 1648
DOT NA no.	UN1648
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Acetonitrile
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
	FLAMMABLE LIQUID
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
DOT RQ	: 5000 lbs
Marine pollutant	: No

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: No supplementary information available.
: 11
: 3 - Flammable liquid
: 50 : F1
: 3 - Flammable liquids
<sup>3</sup> 33 1648
1040
: D/E
11
: •2YE
: E2
: 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.
: 40 - Stow "clear of living quarters"
: 127
: 5L
: 5L : 60 L
: 60 L
: 60 L
: 60 L : Flammable liquids
<ul> <li>60 L</li> <li>Flammable liquids</li> <li>No supplementary information available.</li> </ul>
: 60 L : Flammable liquids
<ul> <li>60 L</li> <li>Flammable liquids</li> <li>No supplementary information available.</li> </ul>
<ul> <li>: 60 L</li> <li>: Flammable liquids</li> <li>: No supplementary information available.</li> </ul> x II of MARPOL 73/78 and the IBC Code
<ul> <li>60 L</li> <li>Flammable liquids</li> <li>No supplementary information available.</li> </ul>
<ul> <li>: 60 L</li> <li>: Flammable liquids</li> <li>: No supplementary information available.</li> <li>x II of MARPOL 73/78 and the IBC Code</li> </ul>
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<ul> <li>: 60 L</li> <li>: Flammable liquids</li> <li>: No supplementary information available.</li> <li>x II of MARPOL 73/78 and the IBC Code</li> </ul>
<ul> <li>: 60 L</li> <li>: Flammable liquids</li> <li>: No supplementary information available.</li> <li>x II of MARPOL 73/78 and the IBC Code</li> </ul> IL IN ACETONITRILE SARA 302: No chemicals in this material are subject to the reporting requirements of SARA
<ul> <li>: 60 L</li> <li>: Flammable liquids</li> <li>: No supplementary information available.</li> <li>x II of MARPOL 73/78 and the IBC Code</li> </ul> IL IN ACETONITRILE SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. Fire hazard Immediate (acute) health hazard
<ul> <li>: 60 L</li> <li>: Flammable liquids</li> <li>: No supplementary information available.</li> <li>x II of MARPOL 73/78 and the IBC Code</li> </ul> IL IN ACETONITRILE SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard
<ul> <li>: 60 L</li> <li>: Flammable liquids</li> <li>: No supplementary information available.</li> <li>x II of MARPOL 73/78 and the IBC Code</li> </ul> IL IN ACETONITRILE SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard Delayed (chronic) health hazard Subject to reporting requirements of United States SARA Section 313

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1,3-DINITROBENZENE UNLABELED (99-65-0 (Unlabeled))			
SARA Section 313 - Emission Reporting	ARA Section 313 - Emission Reporting Subject to reporting requirements of United States SARA Section 313		
ACETONITRILE UNLABELED (75-05-8)			
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.		
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard		
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313		

## 15.2. International regulations

## CANADA

1,3-DINITROBENZENE UNLABELED 1 MG/ML IN ACETONITRILE
Listed on the Canadian DSL (Domestic Substances List)

## 15.2.1. National regulations

No additional information available

# 15.3. US State regulations

Toto: OO Otate Tegulations					
1,3-DINITROBENZENE UNLABELED 1 MG/ML IN ACETONITRILE()					
U.S California - Proposition 65 - Carcinogens List		No			
U.S California - Proposition 65 - Developmental Toxicity		No			
U.S California - Proposition 65 - Reproductive Toxicity - Female		No			
U.S California - Proposition 65 - Reproductive Toxicity - Male		No			
State or local regulations		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			
1,3-DINITROBENZENE UNI	ABELED (99-65-0 (Unlabe	ele	d))		
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity		U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No		No	No	
ACETONITRILE UNLABEL	ED (75-05-8)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity		U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No		No	No	
1,3-DINITROBENZENE UNI	ABELED (99-65-0 (Unlabe	ele	d))	•	
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					
ACETONITRILE UNLABEL	ED (75-05-8)				
State or local regulations					
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**

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Othe	r 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 t	ext of R-, H- and EUH-phrases:			
	Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1		
	Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2		
	Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3		
	Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4		
	Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4		
	Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4		
	Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1		
	Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1		
	Eye Irrit. 2	Serious eye damage/eye irritation Category 2		
	Flam. Liq. 2	Flammable liquids Category 2		
	H225	Highly flammable liquid and vapour		
	H301	Toxic if swallowed		
	H302	Harmful if swallowed		
	H310	Fatal in contact with skin		
	H312	Harmful in contact with skin		
	H319	Causes serious eye irritation		
	H330	Fatal if inhaled		
	H332	Harmful if inhaled		
	H400	Very toxic to aquatic life		
	H410	Very toxic to aquatic life with long lasting effects		
	R11	Highly flammable		
	R20/21/22	Harmful by inhalation, in contact with skin and if swallowed		
	R26/27/28	Very toxic by inhalation, in contact with skin and if swallowed		
	R33	Danger of cumulative effects		
	R36	Irritating to eyes		
R50/53 Very toxic to		Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment		
	F	Highly flammable		

	Xi	Irritant
	Xn	Harmful
NFP	A health hazard	: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFP	A fire hazard	: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
NFP	A reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.
Haza	ard Rating	
Heal	th	: 2 Moderate Hazard - Temporary or minor injury may occur
Flam	imability	: 3 Serious Hazard
Phys	sical	: 0 Minimal Hazard

Dangerous for the environment

Very toxic

## **CIL Mixture SDS**

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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