

DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) 100 UG/ML IN ACETONITRILE

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: 12/07/2022
 Revision date:
 :
 Version: 1.0

 DLM-11374-S

	e substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixtures
Product name	: DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) 100 UG/ML IN ACETONITRILE
Product code	: DLM-11374-S
1.2. Relevant identified uses of the	ne substance or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Professional use
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: 1-978-749-8	2000
cilsales@isotope.com www.isotope.co	
Emergency telephone number	er
Emergency numbers:	
Chemtrec: 1-800-424-9300 (24 hours) International: 1-703-741-5970 (24 hours	5)
SECTION 2: Hazards identifica	tion
2.1. Classification of the substan	ce 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:gas) H332	
Eye Irrit. 2 H319	
Full text of hazard classes and H-stateme	ents : see section 16
Classification according to Directive 6	7/548/FEC [DSD] or 1999/45/FC [DPD]
F; R11	
Xn; R20/21/22 Xi; R36	
Full text of R-phrases: see section 16	
GHS-US classification	
Flam. Liq. 2 H225	
Acute Tox. 4 (Oral) H302	
Acute Tox. 4 (Dermal) H312	
Acute Tox. 4 (Inhalation) H332 Eye Irrit. 2 H319	
Eye Irrit. 2 H319	

Adverse physicochemical, human health and environmental effects

No additional information available

Full text of H statements : see section 16

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2.2. Label elements	
Labeling according to Regulation (EC) N	lo. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	<u>()</u>
	GHS02 GHS07
Signal word (CLP)	: Danger
Hazardous ingredients	: ACETONITRILE UNLABELED
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapor
	H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
Dressettion on a statements (CLD)	H319 - Causes serious eye irritation
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, ventilating, lighting equipment
	P261 - Avoid breathing dust, gas, 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.
GHS-US labeling	
Hazard pictograms (GHS-US)	
· · · · · · · · · · · · · · · · · · ·	
	GHS02 GHS07
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
	H319 - Causes serious eye irritation
Precautionary statements (GHS-US)	: 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, ventilating, lighting 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 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 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 P312 - Call a poison center or doctor if you feel unwell
	P322 - Specific treatment (see supplemental first aid instruction 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, Dry chemical, Water
	spray to extinguish.
	P403+P235 - Store in a well-ventilated place. Keep cool.

- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container to Comply with applicable regulations

2.3. Other hazards

No additional information available

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SEC	ION 3: Composition/Information on ingredients	
0.4		

3.1. **Substances**

Not applicable 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	99.987	F; R11 Xi; R36 Xn; R20/21/22
DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%)	(CAS-No.) 6303-30-6 (Unlabeled) (EC-No.) 228-602-0 (Unlabeled) (EC Index-No.)	0.013	C; R35 Xi; R41
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
DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%)	(CAS-No.) 6303-30-6 (Unlabeled) (EC-No.) 228-602-0 (Unlabeled) (EC Index-No.)	0.013	Skin Corr. 1, H314 Eye Dam. 1, H318
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
DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%)	(CAS-No.) 6303-30-6 (Unlabeled)	0.013	Skin Corr. 1A, H314 Eye Dam. 1, H318

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	: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
4.2. Most important symptoms and effect	ts, both acute and delayed
Symptoms/effects after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.
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

SECT	SECTION 5: Firefighting measures		
5.1.	Extinguishing media		
Suitable	e extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.	
5.2.	Special hazards arising from the	substance or mixture	
Fire ha	zard	: Highly flammable liquid and vapor.	
13/07/20	22	EN (English US)	3/10

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6, 2012 / Rules and Regulations	
Explosion hazard	: May form flammable/explosive vapor-air mixture.
Reactivity	: Vapors may form explosive mixture with air.
5.3. Advice for firefighters	
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release me	asures
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	
No additional information available	
6.1.2. For emergency responders	
No additional information available	
6.2. Environmental precautions	
Prevent further leakage or spillage if safe to do	o so. Do not let product enter drains. Discharge into the environment must be avoided.
6.3. Methods and material for contain	ment and cleaning up
For containment	: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. 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	: Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling	: No open flames. 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 not eat, drink or smoke when using this product. Wash Both hands thoroughly after handling.
7.2. Conditions for safe storage, inclu	ding any incompatibilities
Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.
Storage conditions	: Store refrigerated (-5 °C to 5 °C). Protect from light.
Incompatible materials	: Heat sources.
7.3. Specific end use(s)	
No additional information available	

SECTION 8: Exposure controls/personal protection 8.1. **Control parameters** ACETONITRILE UNLABELED (75-05-8) 20.00000000 ppm Lower Respiratory Tract irritation. Italy - Portugal - USA ACGIH ACGIH TWA (ppm) Not classifiable as a human carcinogen. USA NIOSH NIOSH REL (TWA) (mg/m³) 34 mg/m³ 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/m³ 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**

Personal protective equipment

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



Hand protection Eye protection Skin and body protection : Wear suitable protective clothing and gloves.

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

: Wear suitable protective clothing. EN (English US)

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Respiratory protection

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

	recommended.
SECTION 9: Physical and chemical p	roperties
9.1. Information on basic physical and cl	nemical properties
The properties listed below are for the solvent, the main component	ent 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 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
Specific gravity / 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
Oxidizing properties	: No data available
Explosion limits	: 4.4 - 16 vol %
9.2. Other information	

No additional information available

OFOTI				
SECTION	ON 10: Stability and reactivity			
10.1.	Reactivity			
Vapors m	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 fla	ammable liquid and vapor.			
10.4.	Conditions to avoid			
Heat. Op	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 relea	ase flammable gases. Carbon oxides (CO	, CO2). Nitrogen oxides.		
SECTIO	ON 11: Toxicological informatio	n		
11.1.	Information on toxicological effects			
Acute tox	xicity :	Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation:gas: Harmful if inhaled.		

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DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 9	04%) 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		
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)	26.800 mg/l/4h		
ATE CLP (dust, mist)	26.800 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		
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.		
Assistion borord			
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	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.		
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.		

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.		
DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94	DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) 100 UG/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		

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DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) 100 UG/ML IN ACETONITRILE		
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 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			
DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) 100 UG/ML IN ACETONITRILE			
Persistence and degradability	Biodegradability Result: - Readily biodegradable.		
ACETONITRILE UNLABELED (75-05-8)			
Persistence and degradability	Biodegradability Result: - Readily biodegradable.		
12.3. Bioaccumulative potential			
DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) 100 UG/ML IN ACETONITRILE			
Log Pow	-0.34		
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).		
ACETONITRILE UNLABELED (75-05-8)			
Log Pow	Log Pow -0.34		
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).		
12.4. Mobility in soil			
DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) 100 UG/ML IN ACETONITRILE			
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 assessment			
No additional information available			
12.6. 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 consideration	S		
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	: Dispose of contents/container to Comply with applicable regulations.		
Additional information	: Handle empty containers with care because residual vapors are flammable.		
Ecology - waste materials	: Dispose of as unused product.		
SECTION 14: Transport information			
In accordance with ADR / RID / IMDG / IATA / AD	N		

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
	FLAMMBLE LIQUD
Packing group (DOT)	: II - Medium Danger

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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 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
	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) :	: 11
Class (ADR) :	: 3 - Flammable liquid
Hazard identification number (Kemler No.) :	: 33
Classification code (ADR) :	: F1
Hazard labels (ADR) :	: 3 - Flammable liquids
Orange plates :	
	33 1648
· · · · · · · · · · · · · · · · · · ·	: D/E
Limited quantities (ADR)	11
	: •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"
e e e e e e e e e e e e e e e e e e e	: 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
	: Flammable liquids
14.4. Environmental hazards	
Other information :	No supplementary information available.

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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

DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) 100 UG/ML IN ACETONITRILE		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of United States SARA 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	
ACETONITRILE UNLABELED (75-05-8)		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of United States SARA 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	
DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) (6303-30-6 (Unlabeled))		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
15.2. International regulations		

CANADA

DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) 100 UG/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

DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) 100 UG/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	5	RTK - U.S Massachusetts - Right To Know List RTK - U.S New Jersey - Right to Know Hazardous Substance List RTK - U.S Pennsylvania - RTK (Right to Know) List			
ACETONITRILE UNLA	BELED (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		
DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) (6303-30-6 (Unlabeled))					
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 DLM-11374-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

ACETONITRILE UNLABELED (75-05-8) State or local regulations	
RTK - U.S Massachusetts - Right To Know List RTK - U.S New Jersey - Right to Know Hazardous Substance List RTK - U.S Pennsylvania - RTK (Right to Know) List	
DI-ISOBUTYL PHOSPHATE (D14, 97%) (CP 94%) (6303-30-6 (Unlabeled))	
State or local regulations	
RTK - U.S Pennsylvania - RTK (Right to Know) List RTK - U.S New Jersey - Right to Know Hazardous Substance List	

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:gas)	Acute toxicity (inhalation:gas) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Skin Corr. 1	Skin corrosion/irritation Category 1
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
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
R35	Causes severe burns
R36	Irritating to eyes
R41	Risk of serious damage to eyes
С	Corrosive
F	Highly flammable
Xi	Irritant
Xn	Harmful

NFPA health hazar	NFPA	A health	hazaro
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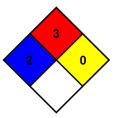
NFPA fire hazard

NFPA reactivity

: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health	2 N	Moderate Hazard - Temporary or minor injury may occur
Flammability	3 5	Serious Hazard
Physical	0 N	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