

6PPD-QUINONE (CHEMICAL PURITY 95%) UNLABELED 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: 16/04/2021 Revision date: 19/10/2021 Supersedes: 16/04/2021 Version: 1.1 ULM-12288-S

SECTION 1: Idoptification of the a	ubstance/mixture and of the company/undertaking
1.1. Product identifier	ubstance/mixture and of the company/undertaking
Product form	: Mixtures
Product name	: 6PPD-QUINONE (CHEMICAL PURITY 95%) UNLABELED 100 UG/ML IN ACETONITRILE
Product code	: ULM-12288-S
1.2. Relevant identified uses of the su	ubstance 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 safe	atu data shoot
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	1
2.1. Classification of the substance of	r mixture
Classification according to Regulation (EC	C) No. 1272/2008 [CLP]
Flam. Liq. 2 H225	,,
Acute Tox, 4 (Oral) H302	
Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Dermal) H312	
Acute Tox. 4 (Dermal) H312	
Acute Tox. 4 (Dermal) H312	
Acute Tox. 4 (Dermal) H312 Acute Tox. 4 (Inhalation:gas) H332	: see section 16
Acute Tox. 4 (Dermal)H312Acute Tox. 4 (Inhalation:gas)H332Eye Irrit. 2H319Full text of hazard classes and H-statements	
Acute Tox. 4 (Dermal)H312Acute Tox. 4 (Inhalation:gas)H332Eye Irrit. 2H319Full text of hazard classes and H-statementsClassification according to Directive 67/54	
Acute Tox. 4 (Dermal)H312Acute Tox. 4 (Inhalation:gas)H332Eye Irrit. 2H319Full text of hazard classes and H-statementsClassification according to Directive 67/54F; R11Xn; R20/21/22	
Acute Tox. 4 (Dermal)H312Acute Tox. 4 (Inhalation:gas)H332Eye Irrit. 2H319Full text of hazard classes and H-statementsClassification according to Directive 67/54F; R11	
Acute Tox. 4 (Dermal) H312 Acute Tox. 4 (Inhalation:gas) H332 Eye Irrit. 2 H319 Full text of hazard classes and H-statements Classification according to Directive 67/54 F; R11 Xn; R20/21/22 Xi; R36 Full text of R-phrases: see section 16	
Acute Tox. 4 (Dermal) H312 Acute Tox. 4 (Inhalation:gas) H332 Eye Irrit. 2 H319 Full text of hazard classes and H-statements Classification according to Directive 67/54 F; R11 Xn; R20/21/22 Xi; R36 Full text of R-phrases: see section 16 GHS-US classification	
Acute Tox. 4 (Dermal)H312Acute Tox. 4 (Inhalation:gas)H332Eye Irrit. 2H319Full text of hazard classes and H-statementsClassification according to Directive 67/54F; R11Xn; R20/21/22Xi; R36Full text of R-phrases: see section 16GHS-US classificationFlam. Liq. 2H225	
Acute Tox. 4 (Dermal) H312 Acute Tox. 4 (Inhalation:gas) H332 Eye Irrit. 2 H319 Full text of hazard classes and H-statements Classification according to Directive 67/54 F; R11 Xn; R20/21/22 Xi; R36 Full text of R-phrases: see section 16 GHS-US classification	
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Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

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2.2. Label elements	
Labeling according to Regulation (EC) No	p. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	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 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
Tiazaru statements (GHS-03)	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 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.

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

2.3. Other hazards

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SECTION 3:	Composition/Information on ingre	edients
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3.1. Substances

Not applicable

NI		0/	
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
6PPD-QUINONE (CHEMICAL PURITY 95%) UNLABELED	(CAS-No.) NA (EC Index-No.)	0.013	Xn; R22 R43 N; R50/53
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
6PPD-QUINONE (CHEMICAL PURITY 95%) UNLABELED	(CAS-No.) NA (EC Index-No.)	0.013	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
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
6PPD-QUINONE (CHEMICAL PURITY 95%) UNLABELED	(CAS-No.) NA	0.013	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 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	: 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 e	ffects, 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.
4.0 In the other of a new borns of the family of	

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

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SECTION 5: Firefighting	measures	
5.1. Extinguishing media	l l	
Suitable extinguishing media	: Use water spray, alcohol-resista	nt foam, dry chemical, or carbon dioxide.
5.2. Special hazards aris	ing from the substance or mixture	
Fire hazard	: Highly flammable liquid and vapo	or.
Explosion hazard	: May form flammable/explosive v	apor-air mixture.
Reactivity	: Vapors may form explosive mixt	ure with air.
5.3. Advice for firefighter	S	
Protection during firefighting	: Do not enter fire area without pro	oper protective equipment, including respiratory protection.
SECTION 6: Accidental	release measures	
6.1. Personal precaution	s, protective equipment and emergency procedur	es
General measures	: Remove ignition sources. Use sp smoking.	pecial care to avoid static electric charges. No open flames. No
6.1.1. For non-emergency	personnel	
No additional information availal	ble	
6.1.2. For emergency responses of the second		
6.2. Environmental preca	autions	
Prevent further leakage or spilla	ge if safe to do so. Do not let product enter drains.	Discharge into the environment must be avoided.
6.3. Methods and materia	al for containment and cleaning up	
For containment		ke up in non-combustible absorbent material and shovel into spills, confine the spill in a dike and charge it with wet sand or sal.
6.4. Reference to other s	ections	
No additional information availal	ble	
SECTION 7: Handling ar	nd storage	
7.1. Precautions for safe	handling	
Additional hazards when proces	sed : Handle empty containers with ca	are because residual vapors are flammable.
Precautions for safe handling	: No open flames. No smoking. Us ventilated area. Avoid breathing	se only non-sparking tools. Use only outdoors or in a well- dust, mist or spray.
Hygiene measures	: Do not eat, drink or smoke when handling.	using this product. Wash Both hands thoroughly after
7.2. Conditions for safe s	storage, including any incompatibilities	
Technical measures		avoid static electricity should be followed. Ground/bond ent. 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 availal	ble	
SECTION 8: Exposure c	ontrols/personal protection	
8.1. Control parameters		
ACETONITRILE UNLABELE		
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/m ³)	34 mg/m ³ Forms Cyanide in the body.
USA NIOSH	NIOSH REL (TWA) (ppm)	20 ppm Forms Cyanide in the body.
USA OSHA	OSHA PEL (TWA) (mg/m ³)	70 mg/m ³ The value in mg/m3 is approximate.
USA OSHA	OSHA PEL (TWA) (ppm)	40 ppm The value in mg/m3 is approximate.
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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	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
SECTION 9: Physical and chemica	I properties
9.1. Information on basic physical and	d chemical properties
The properties listed below are for the solvent, the main com	
Physical state	: Liquid
Appearance	: Liquid, clear
Molecular mass	: 41.05 g/mol
Color	: Colorless
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 °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 %
0.0 Other information	

9.2. Other information

SECTION	ON 10: Stability and reactivity			
10.1.	Reactivity			
Vapors n	nay form explosive mixture with air.			
10.2.	Chemical stability			
See stora	age 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.			

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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.			
SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Acute toxicity	: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation:gas: Harmful if		
	inhaled.		
6PPD-QUINONE (CHEMICAL PURITY 95%) UN	NLABELED 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		
6PPD-QUINONE (CHEMICAL PURITY 95%) UNLABELED (NA)			
LD50 oral rat	1005 mg/kg (OECD Test Guideline 401)		
LD50 dermal rabbit	> 7940 mg/kg		
ATE CLP (oral)	500.000 mg/kg body weight		
Skin corrosion/irritation	: 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 argen toxicity repeated			
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	: 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.		

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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.		
6PPD-QUINONE (CHEMICAL PURITY 95%) UNLABELED 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	
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	
6PPD-QUINONE (CHEMICAL PURITY 95%) UNLABELED (NA)		
LC50 fish 1	flow-through test LC50 - Oryzias latipes - 0.028 mg/l - 96 h (OECD Test Guideline 203)	
EC50 Daphnia 1	Immobilization EC50 - Daphnia magna (Water flea) - 0.23 mg/l - 48 h (OECD Test Guideline 202)	

12.2. Persistence and degradability	
6PPD-QUINONE (CHEMICAL PURITY 95%) U	NLABELED 100 UG/ML IN ACETONITRILE
Persistence and degradability	Biodegradability Result: - Readily biodegradable.
ACETONITRILE UNLABELED (75-05-8)	
Persistence and degradability	Biodegradability Result: - Readily biodegradable.
6PPD-QUINONE (CHEMICAL PURITY 95%) U	NLABELED (NA)
Biodegradation	aerobic Biochemical oxygen demand - Exposure time 28 d Remarks: According to the results of tests of biodegradability this product is not readily biodegradable.
12.3. Bioaccumulative potential	
6PPD-QUINONE (CHEMICAL PURITY 95%) U	NLABELED 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	-0.34
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).
12.4. Mobility in soil	
6PPD-QUINONE (CHEMICAL PURITY 95%) U	NLABELED 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 assessmer	nt
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

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Ecology - waste materials	: Dispose of as unused product.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / A	ADN
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
Packing group (DOT)	: II - Medium Danger
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
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
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	11
EAC	: •2YE

Excepted quantities (ADR)

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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
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

14.4.	Environmental hazards	
Other ir	nformation	: No supplementary information available.
14.5.	Special precautions for user	
14.6.	Transport in bulk according to Anr	ex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

13.1. US redetat regulations	
6PPD-QUINONE (CHEMICAL PURITY 95%) UN	ILABELED 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
6PPD-QUINONE (CHEMICAL PURITY 95%) UN	ILABELED (NA)
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
15.2. International regulations	

CANADA

6PPD-QUINONE (CHEMICAL PURITY 95%) UNLABELED 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

6PPD-QUINONE (CHEMICAL PURITY 95%) UNLABEL	ED 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

IN ACETONITRILE ULM-12288-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

	AL PURITY 95%) UNLABELI	ED 100 UG/ML IN ACETONITE	0	
State or local regulations		U.S Massachusetts - Right U.S New Jersey - Right to K U.S Pennsylvania - RTK (Ri	now Hazardous Substance Lis	t
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	
6PPD-QUINONE (CHEMIC	AL PURITY 95%) UNLABELI	ED (NA)		
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)		•	•
State or local regulations				
U.S Massachusetts - Righ U.S New Jersey - Right to U.S Pennsylvania - RTK (Know Hazardous Substance	List		
6PPD-QUINONE (CHEMIC	AL PURITY 95%) UNLABELI	ED (NA)		
State or local regulations	·			
U.S Pennsylvania - RTK (U.S New Jersey - Right to	Right to Know) List Know Hazardous Substance	e 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 toxicity (dermal) Category 4
Acute toxicity (inhalation) Category 4
Acute toxicity (inhalation:gas) Category 4
Acute toxicity (oral) Category 4
Hazardous to the aquatic environment - Acute Hazard Category 1
Hazardous to the aquatic environment - Chronic Hazard Category 1
Serious eye damage/eye irritation Category 2
Flammable liquids Category 2
Skin sensitization, Category 1
Highly flammable liquid and vapor
Harmful if swallowed
Harmful in contact with skin
May cause an allergic skin reaction
Causes serious eye irritation
Harmful if inhaled
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects
Highly flammable
Harmful by inhalation, in contact with skin and if swallowed
Harmful if swallowed
Irritating to eyes
May cause sensitization by skin contact
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Highly flammable
Dangerous for the environment
Irritant
Harmful

IN ACETONITRILE ULM-12288-S

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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

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury. NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient
NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient
temperature conditions.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.
Hazard Rating
Health : 2 Moderate Hazard - Temporary or minor injury may occur
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