

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

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U	_M-7211-S	

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SECTION 1: Identifica	ation of the substance/mixture and of the company/undertaking
1.1. Product identifie	
Product form	: Mixtures
Product name	: ETHYNYLESTRADIOL UNLABELED 100 UG/ML IN ACETONITRILE
Product code	: ULM-7211-S
1.2. Relevant identifie	ed uses of the substance or mixture and uses advised against
1.2.1. Relevant identifie	ed uses
Main use category	: Professional use
ndustrial/Professional use s	pec : For professional use only
1.2.2. Uses advised ag	ainst
No additional information av	
1.3. Details of the su	oplier of the safety data sheet
Cambridge Isotope Laborato 50 Frontage Road Andover, MA 01810 USA	
USA: 1-800-322-1174 Int: cilsales@isotope.com ww	1-978-749-8000 /w.isotope.com
Emergency telep	hone number
Emergency numbers:	
Chemtrec: 1-800-424-9300 International: 1-703-741-59	
SECTION 2: Hazards	
2.1. Classification of	the substance or mixture
Classification according to	o Regulation (EC) No. 1272/2008 [CLP]
	225
()	302
Acute Tox. 4 (Dermal) H	312
Acute Tox. 4 (Inhalation) H	332
Eye Irrit. 2 H	319
Full text of hazard classes a	nd H-statements : see section 16
Classification according to F; R11 Xi; R36 Xn; R20/21/22	o Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Full text of R-phrases: see s	ection 16
GHS-US classification	
Acute Tox. 4 (Oral) H Acute Tox. 4 (Dermal) H Acute Tox. 4 (Inhalation) H	225 302 312 332 319

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

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

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2.2 Label elements

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

Hazard pictograms (CLP)

GHS02 GHS07

Signal word (CLP) Hazard statements (CLP)

Precautionary statements (CLP)

- : Danger
 - H225 Highly flammable liquid and vapor
 - 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 vapor
 - 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

Other hazards 2.3.

No additional information available

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SECTION 3: Composition/Information on ingredients

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
ETHYNYLESTRADIOL UNLABELED	(CAS-No.) 57-63-6 (EC-No.) 200-342-2	0.013	Xn; R22 Carc.Cat.1; R45 Carc.Cat.1; R49 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
ETHYNYLESTRADIOL UNLABELED	(CAS-No.) 57-63-6 (EC-No.) 200-342-2	0.013	Acute Tox. 4 (Oral), H302 Carc. 1A, H350 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
ETHYNYLESTRADIOL UNLABELED	(CAS-No.) 57-63-6	0.013	Acute Tox. 4 (Oral), H302 Carc. 1A, H350 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.

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

No additional information available

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

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5.2. Special hazards arising from the s	substance or mixture	
Fire hazard	: Highly flammable liquid and vapor.	
Explosion hazard	: May form flammable/explosive vapor-air mixture.	
Reactivity	: Vapors may form explosive mixture with air.	
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 me		
	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		
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	not allow to enter drains or water courses. Avoid release to the environment.	
6.3. Methods and material for contain	ment and cleaning up	
For containment	 Dike and contain spill. Disposal should be in accordance with applicable Federal, State and local regulations. 	
Methods for cleaning up	: 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.	
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, including any incompatibilities		
Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof Lighting equipment, ventilating equipment.	
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/personal protection		
8.1. Control parameters		
ETHYNYLESTRADIOL UNLABELED 100 UG/ML IN ACETONITRILE		
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 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/m³)	70 mg/m³ The value in mg/m3 is approximate.

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ETHYNYLESTRADIOL UNLABELED 100 UG/ML IN ACETONITRILE				
USA OSHA	OSHA PEL (TWA) (ppm) 40 ppm The value in mg/m3 is approximate.			
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/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.		

8.2. Exposure controls Appropriate engineering controls

- : Handle in accordance with good industrial hygiene and safety procedures.
- Personal protective equipment
- 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.

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 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 %	

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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 vapor.		
10.4. Conditions to avoid		
Heat. Open flame. Direct sunlight. Sparks. Extreme	ely 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.	
SECTION 11: Toxicological informatio		
11.1. Information on toxicological effects		
•	Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.	
ETHYNYLESTRADIOL UNLABELED 100 UG/M		
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	
ETHYNYLESTRADIOL UNLABELED (57-63-6)		
LD50 oral rat	960 mg/kg	
ATE CLP (oral)	960.000 mg/kg body weight	
ACETONITRILE UNLABELED (75-05-8)		
LD50 oral rat	2460 mg/kg	
LD50 dermal rabbit	2000 mg/kg	
LC50 inhalation rat (mg/l)	≥ 26.8 mg/l	
LC50 inhalation rat (ppm)	7551 ppm - 8h	
ATE CLP (oral) ATE CLP (dermal)	500.000 mg/kg body weight 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 :	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.	
	The substance or mixture is not classified as specific target organ toxicant.	
Specific target organ toxicity – repeated :	The substance or mixture is not classified as specific target organ toxicant.	
·	Not classified	

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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.

SECTION 12: Ecological information					
2.1. Toxicity					
ETHYNYLESTRADIOL 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				

12.2. Persistence and degradability							
ETHYNYLESTRADIOL UNLABELED 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	12.3. Bioaccumulative potential						
ETHYNYLESTRADIOL UNLABELED 100 UG/M	L 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							
ETHYNYLESTRADIOL UNLABELED 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							

SECTION 13: Disposal consideration	15
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.

cause long lasting harmful effects to aquatic life.

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SECTION 14: Transport information						
In accordance with ADR / RID / IMDG / IATA / 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					
	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					
DOT RQ	: 5000 lbs					
Marine pollutant	: No					
14.3. Additional information						
Other information	: No supplementary information available.					
Overland transport						
Packing group (ADR)	: 11					

Packing group (ADR)
Class (ADR)
Hazard identification number (Kemler No.)
Classification code (ADR)
Hazard labels (ADR)

Orange plates

Tunnel restriction code (ADR)
Limited quantities (ADR)
EAC
Excepted quantities (ADR)

: 33 : F1 : 3 - Flammable liquids

: 3 - Flammable liquid



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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 information	: No supplementary information available.

14.5. Special precautions for user

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations				
ETHYNYLESTRADIOL UNLABELED 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			
ETHYNYLESTRADIOL UNLABELED (57-63-6)				
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	Immediate (acute) health hazard Delayed (chronic) health hazard			
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the 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			

15.2. International regulations

CANADA

Listed on the Canadian DSL (Demostic Substances List)	ETHYNYLESTRADIOL UNLABELED 100 UG/ML IN ACETONITRILE
Listed on the Canadian DSL (Domestic Substances List)	Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

No additional information available

15.3. US State regulations

ETHYNYLESTRADIOL UNLABELED 100 UG/ML IN ACETONITRILE()			
U.S California - Proposition 65 - Carcinogens List	No		
U.S California - Proposition 65 - Developmental	No		
Toxicity			

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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

ETHYNYLESTRADIOL UN	ETHYNYLESTRADIOL UNLABELED 100 UG/ML IN ACETONITRILE()						
U.S California - Proposition 65 - Reproductive Toxicity - Female		Ν	No				
U.S California - Proposition 65 - Reproductive Toxicity - Male			0				
State or local regulations		ι	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				
ETHYNYLESTRADIOL UN	LABELED (57-63-6)						
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)		
Yes	No		No	No			
ACETONITRILE UNLABELED (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			
ETHYNYLESTRADIOL UNLABELED (57-63-6)							
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 UNLABELED (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

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:

TLEXT OF IN-, THE AND LOT PHILAS	
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
Carc. 1A	Carcinogenicity Category 1A
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H332	Harmful if inhaled
H350	May cause cancer
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
R22	Harmful if swallowed
R36	Irritating to eyes
R45	May cause cancer
R49	May cause cancer by inhalation

ULM-7211-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

	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
	F	Highly flammable
	N	Dangerous for the environment
	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	mability	: 3 Serious Hazard
Phys		: 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