

MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%) 100 UG/ML IN MTBE

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
 Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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 Supersedes: 24/04/2017
 Version: 1.1

 CLM-10200-S
 CLM-10200-S
 Supersedes: 24/04/2017
 Version: 1.1

SECTION 1: Identification of the su	bstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixtures
Product name	: MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%) 100 UG/ML IN MTBE
Product code	: CLM-10200-S
1.2. Relevant identified uses of the sub	ostance 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 safet	y data sheet
Cambridge Isotope Laboratories, Inc. 50 Frontage Road Andover, MA 01810 USA	
USA: 1-800-322-1174 Int: 1-978-749-8000 <u>cilsales@isotope.com</u> 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	
2.1. Classification of the substance or	mixture
Classification according to Regulation (EC)	No. 1272/2008 [CLP]
Flam. Liq. 2 H225	
Skin Irrit. 2 H315	
Full text of hazard classes and H-statements :	see section 16
Classification according to Directive 67/548	/EEC [DSD] or 1999/45/EC [DPD]
F; R11 Xi; R38	
Full text of R-phrases: see section 16	
GHS-US classification	
Flam. Liq. 2 H225 Skin Irrit. 2 H315	
Full text of H statements : see section 16	
Adverse physicochemical, human health an Kidney, Central nervous system.	ad environmental effects
2.2. Label elements	
Labeling according to Regulation (EC) No. 1	1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS07
Signal word (CLP)	: Danger

EN (English US)

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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 P240 - Vaar bracteric colding, protective gloves P333-YEEP Colding equipment P240 - Vaar protective colding, protective gloves P302+P352 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower GHS-US labeling ::::::::::::::::::::::::::::::::::::	Hazard statements (CLP)	: H225 - Highly flammable liquid and vapor H315 - Causes skin irritation
 Hazard pictograms (GHS-US) Signal word (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US) Precautionary statements (GHS-US) 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 P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P246 - Wash Both hands thoroughly after handling P280 - Wear eye protection, face protection, protective clothing, protective gloves P302+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P321 - Specific treatment (see Hazard pictograms (CLP) on this label) P332+P313 - If askin irritation occurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P313 - If askin irritation cocurs: Get medical advice/attention P342+P343 - If askin irritation cocurs: Get medical advice/attention P342+P353 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to Comply with applicable regulations 	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, lighting, ventilating equipment P264 - Wash hands, forearms and face thoroughly after handling P280 - Wear protective clothing, protective gloves P302+P352 - IF ON SKIN: Wash with plenty of water P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Signal word (GHS-US) E Danger Hazard statements (GHS-US) : Danger 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 equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P264 - Wash Both hands throughly after handling P280 - Wear eye protection, face protection, protective clothing, protective gloves P302+P352 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P321 - Specific treatment (see Hazard pictograms (CLP) on this label) P332+P378 - In case of fire: Use Water spray, Alcohol resistant foam, Dry chemical, Carbon dioxide. to extinguish P403 - P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to Comply with applicable regulations	GHS-US labeling	
Signal word (GHS-US) : Danger Hazard statements (GHS-US) : H225 - Highly flammable liquid and vapor H315 - Causes skin 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 equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P264 - Wash Both hands thoroughly after handling P280 - Wear eye protection, face protection, protective clothing, protective gloves 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 P321 - Specific treatment (see Hazard pictograms (CLP) on this label) P324+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use Water spray, Alcohol resistant foam, Dry chemical, Carbon dioxide. to extinguish P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to Comply with applicable regulations	Hazard pictograms (GHS-US)	
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	2.3. Other hazards	

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
METHYL TERT-BUTYL ETHER UNLABELED	(CAS No) 1634-04-4 (EC No) 216-653-1 (EC Index No) 603-181-00-X (REACH-no) 01-2119452786-27	99.987	F; R11 Xi; R38
MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%)	(CAS No) 155603-50-2 (Unlabeled)	0.013	Xi; R36/37/38
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
METHYL TERT-BUTYL ETHER UNLABELED	(CAS No) 1634-04-4 (EC No) 216-653-1 (EC Index No) 603-181-00-X (REACH-no) 01-2119452786-27	99.987	Flam. Liq. 2, H225 Skin Irrit. 2, H315

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%)	(CAS No) 155603-50-2 (Unlabeled)	0.013	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Name	Product identifier	%	GHS-US classification
METHYL TERT-BUTYL ETHER UNLABELED	(CAS No) 1634-04-4	99.987	Flam. Liq. 2, H225 Skin Irrit. 2, H315
MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%)	(CAS No) 155603-50-2 (Unlabeled)	0.013	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

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	: If you feel unwell, seek medical advice (show the label where possible). Evacuate danger area.
First-aid measures after inhalation	: When symptoms occur: go into open air and ventilate suspected area. If not breathing, give artificial respiration. Get medical advice/attention.
First-aid measures after skin contact	: Wash with plenty of soap and water. Get immediate medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.
4.2. Most important symptoms and effect	cts, both acute and delayed
Symptoms/injuries after inhalation	: May be harmful if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed.
4.3. Indication of any immediate medica	I 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).
5.2. Special hazards arising from the su	bstance or mixture
No additional information available	
5.3. Advice for firefighters	
Firefighting instructions	: Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Use water spray to cool exposed surfaces.
SECTION 6: Accidental release mea	sures
6.1. Personal precautions, protective eq	uipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Use personal protective equipment as required. Avoid breathing vapors, mist, gas. Provide adequate ventilation to minimize dust and/or vapor concentrations. Avoid dust formation. Evacuate area. Remove all sources of ignition. Special attention should be given to low areas/pits where flammable vapors can accumulate.
6.1.2. For emergency responders	
No additional information available	
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Avoid	d release to the environment.
6.3. Methods and material for containme	ent and cleaning up
For containment	: Collect spillage. This material and its container must be disposed of in a safe way, and as per local legislation.
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6.4. Reference to other s	to other sections		
lo additional information availal	ble		
SECTION 7: Handling ar	nd storage		
.1. Precautions for safe			
Precautions for safe handling	: Avoid contact with skin and ey explosion-proof equipment. Ke build-up of electrostatic charge concentrations.	 Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, spray, vapors. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Prevent the build-up of electrostatic charge. Provide adequate ventilation to minimize dust and/or vapor concentrations. Wash hands and other exposed areas with mild soap and water before eating, drinking or 	
	smoking and when leaving wo		
2. Conditions for safe s	storage, including any incompatibilities		
echnical measures	: Store in a well-ventilated place	e. Keep container tightly closed.	
Storage conditions	: Store refrigerated (-5 C to 5 C). Protect from light.	
7.3. Specific end use(s)			
No additional information availab	ble		
ECTION 8: <u>Exposure c</u>	ontrols/personal protection		
.1. Control parameters			
MONO-2-ETHYLHEXYL TER	EPHTHALATE (RING-13C6, 99%) 100 UG/ML IN	МТВЕ	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	50.00000000 ppm Basis: USA. ACGIH Threshold Limi Values (TLV) Remarks: Upper Respiratory Tract irritation. Kidney damage. Confirmed animal carcinogen with unknown relevance to humans.	
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	144 mg/m ³ Basis: California permissible exposure limits for chemical contaminants. (Title 8, Article 107).	
USA OSHA	OSHA PEL (Ceiling) (ppm)	40 ppm Basis: California permissible exposure limits for chemical contaminants. (Title 8, Article 107).	
METHYL TERT-BUTYL ETHE	R UNLABELED (1634-04-4)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	50.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV) Remarks: Upper Respiratory Tract irritation. Kidney damage. Confirmed animal carcinogen with unknown relevance to humans.	
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	144 mg/m ³ Basis: California permissible exposure limits for chemical contaminants. (Title 8, Article 107).	
USA OSHA	OSHA PEL (Ceiling) (ppm)	40 ppm Basis: California permissible exposure limits for chemical contaminants. (Title 8, Article 107).	
3.2. Exposure controls			
Appropriate engineering controls	s : Wash hands and other expose smoking and when leaving wo	ed areas with mild soap and water before eating, drinking or ork.	
Personal protective equipment	6 6	rotective goggles. Self-contained breathing apparatus.	
Materials for protective clothing: Wear suitable protective clothing and gloves.Hand protection: Wear suitable protective clothing and gloves.Eye protection: Wear eye protection. Chemical goggles or face shield with safety glasses.Skin and body protection: Wear suitable protective clothing, gloves and eye/face protection.			

- : Wear suitable protective clothing, gloves and eye/face protection.
- : In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.
- 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.		
Physica	al state	: Liquid
Appear	ance	: Liquid
Molecu	lar mass	: 88.15 g/mol

Respiratory protection

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Color	: Colorless		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Melting point	: -108.6 °C (-163.5 °F)		
Freezing point	: No data available		
Boiling point	: 55 - 56 °C (131 - 133 °F) - lit.		
Flash point	: -33 °C (- 27.4 °F) - closed cup		
Auto-ignition temperature	: 374 °C (705.2 °F)		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: No data available		
Vapor pressure	: 1018.7 hPa (764.1 mmHg) at 55°C (131°F), 279.2 hPa (209.4 mmHg) at 20 °C (68°F)		
Relative vapor density at 20 °C	: No data available		
Relative density	: No data available		
Specific gravity / density	: 0.74 g/ml at 25 °C (77 °F)		
Solubility	: Water: 42 g/l at 20 °C (68 °F) - OECD Test Guideline 105		
Log Pow	: 1.06		
Log Kow	: No data available		
Viscosity, kinematic	: 0.464 mm ² /s at 20 °C (68 °F) - 0.409 mm2/s at 40 °C (104 °F)		
Viscosity, dynamic	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
Explosion limits	: 1.6 - 15.1 % (V)		
9.2. Other information			
No additional information available			
SECTION 10: Stability and reactivity			
10.1. Reactivity			
No additional information available			
10.2. Chemical stability			
See storage and expiration date on CoA.			
10.3. Possibility of hazardous reactions			
No additional information available			
10.4. Conditions to avoid			
Heat. Open flame. Sparks.			
10.5. Incompatible materials			
Oxidizing agent. Strong acids.			
10.6. Hazardous decomposition products			
Carbon oxides (CO, CO2).			
SECTION 11: Toxicological information	on		
11.1. Information on toxicological effects			
Acute toxicity	: Not classified		
MONO-2-ETHYLHEXYL TEREPHTHALATE (R	ING-13C6, 99%) 100 UG/ML IN MTBE		
LD50 oral rat	4000 mg/kg		
LC50 inhalation rat (ppm)	23576 ppm/4h - 4 h		
METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)		
LD50 oral rat	4000 mg/kg		
LC50 inhalation rat (ppm)	23576 ppm/4h		
Skin corrosion/irritation	: Skin - Rabbit Result: Skin irritation		
Serious eye damage/irritation	: Eyes - Rabbit Result: No eye irritation		
Respiratory or skin sensitization	: Will not occur		
	 Marchalana 20 and 		

Germ cell mutagenicity

[:] Not classified EN (English US)

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Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	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. nausea, vomiting. Dizziness. central nervous system. Aspiration of this material may cause chemical pneumonia.
IARC group	: 2B
Symptoms/injuries after inhalation	: May be harmful if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed.

SECTION 12: Ecological Information		
12.1. Toxicity		
MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%) 100 UG/ML IN MTBE		
LC50 fish 1	672 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 Daphnia 1	472 mg/l Daphnia magna (Water flea) - 48 h	
EC50 other aquatic organisms 1	491 mg/l Pseudokirchneriella subcapitata (green algae) - 96 h	
LC50 fish 2	> 1000 mg/l other fish - 96 h	
METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)		
LC50 fish 1	672 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 Daphnia 1	472 mg/l Daphnia magna (Water flea) - 48 h	
EC50 other aquatic organisms 1	491 mg/l Pseudokirchneriella subcapitata (green algae) - 96 h	
LC50 fish 2	> 1000 mg/l other fish - 96 h	

12.2. Persistence and degradability

MONO-2-ETHYLHEXYL TEREPHTHALATE (R	ING-13C6, 99%) 100 UG/ML IN MTBE		
Biodegradation 0 % - Not readily biodegradable. (OECD Test Guideline 301D)			
METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)			
Persistence and degradability Not readily biodegradable. (OECD 301D method).			
Biodegradation 0 %			
12.3. Bioaccumulative potential			
MONO-2-ETHYLHEXYL TEREPHTHALATE (R	ING-13C6, 99%) 100 UG/ML IN MTBE		
Log Pow	1.06		
METHYL TERT-BUTYL ETHER UNLABELED	(1634-04-4)		
Log Pow	1.06		
12.4. Mobility in soil			
No additional information available			
12.5. Results of PBT and vPvB assessmer	it		
No additional information available			
12.6. Other adverse effects			
No additional information available			
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:	: 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.		

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SECTION 14: Transport information				
In accordance with ADR / RID / IMDG / IATA / A				
14.1. UN number				
UN-No.(DOT)	: 2398			
DOT NA no.	UN2398			
14.2. UN proper shipping name				
Proper Shipping Name (DOT)	: Methyl tert-butyl ether			
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			
DOT RQ	: 1000 lbs			
Marine pollutant	: No			
14.3. Additional information Emergency Response Guide (ERG) Number	: 127			
Other information	: No supplementary information available.			
Special transport precautions	: Not classified as dangerous in the meaning of transport regulations.			
Overland transport				
Overland transport Packing group (ADR)	: 11			
Class (ADR)	: 3 - Flammable liquid			
Hazard identification number (Kemler No.)	: 33			
Classification code (ADR)	: 55 : F1			
Hazard labels (ADR)	: 3 - Flammable liquids			
Orange plates	² 33 2398			
Tunnel restriction code (ADR)	: D/E			
Limited quantities (ADR)	11			
EAC	: •3YE			
Excepted quantities (ADR)	: E2			

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Transport by sea	
DOT Vessel Stowage Location	: E - 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, but is prohibited from carriage on passenger vessels in which the limiting number of passengers is exceeded.
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	
Special transport precautions	: Not classified as dangerous in the meaning of transport regulations.

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					
MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%) 100 UG/ML IN MTBE					
Subject to reporting requirements of United States SARA Section 313					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporing requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard				
MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%) (155603-50-2 (Unlabeled))					
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 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313				
METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)					
Subject to reporting requirements of United States SARA Section 313					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporing requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard				

15.2. International regulations

CANADA

MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%) 100 UG/ML IN MTBE
Listed on the Canadian DSL (Domestic Substances List)
METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)
Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

No additional information available

15.3. US State regulations

MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%) 100 UG/ML IN MTBE U.S. - California - Proposition 65 - Carcinogens List No

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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

	MONO-2-ETHYLHEXYL TEREPHTHALATE (RING-13C6, 99%) 100 UG/ML IN MTBE						
U.S California - Proposition 65 - Developmental Toxicity		N	No				
U.S California - Proposition 65 - Reproductive Toxicity - Female		Ν	No				
U.S California - Proposition 65 - Reproductive Toxicity - Male		N	No				
State or local regulations		U	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				
MONO-2-ETHYLHEXYL TE	REPHTHALATE (RING-130	C6,	99%) (155603-50-2 (Unlabel	ed))			
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			
METHYL TERT-BUTYL ETH	IER UNLABELED (1634-04	4-4)			<u>.</u>		
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			
MONO-2-ETHYLHEXYL TE	REPHTHALATE (RING-130	C6,	99%) (155603-50-2 (Unlabel	ed))	•		
State or local regulations							
U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List							
METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)							
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:

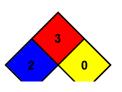
Eye Irrit. 2	Serious eye damage/eye irritation Category 2	
Flam. Liq. 2	Flammable liquids Category 2	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
STOT SE 3 Specific target organ toxicity (single exposure) Categor		
H225	Highly flammable liquid and vapor	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H335	May cause respiratory irritation	
R11	Highly flammable	
R36/37/38	Irritating to eyes, respiratory system and skin	
R38	Irritating to skin	
F	Highly flammable	
Xi	Irritant	

NFPA health hazard

NFPA fire hazard

: 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.



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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

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