

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: 05/06/2017 •

CLM-10202-S

Revision date:

Version: 1.0

1.1. Produc	t identifier	stance/mixture and of the company/undertaking
Product form		: Mixtures
Product name		 CYCLOHEXAN-1,2-DICARBOXYLIC ACID, MONO(7-HYDROXY- 4-METHYLOCTYL) ESTEF (13C4, 99%) 100 UG/ML IN MTBE
Product code		: CLM-10202-S
1.2. Releva	nt identified uses of the subs	tance or mixture and uses advised against
1.2.1. Releva	nt identified uses	
Main use category	/	: Professional use
Industrial/Professi	onal use spec	: For professional use only
1.2.2. Uses a	dvised against	
No additional info	mation available	
1.3. Details	of the supplier of the safety of	data sheet
	e Laboratories, Inc.	
50 Frontage Road Andover, MA 018		
USA	10	
USA: 1-800-322-	1174 Int: 1-978-749-8000	
cilsales@isotope.	com www.isotope.com	
Emerge	ency telephone number	
Emergency numb	ers:	
	-424-9300 (24 hours) 03-741-5970 (24 hours)	
	lazards identification	
	cation of the substance or m	ivture
2.1 Classifi		
	cording to Regulation (EC) N	10. 1272/2008 [CLP]
Classification ac		
	5	

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 and environmental effects

Kidney, Central nervous system.

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2.2. Label elements	
Labeling according to Regulation (EC) N	lo. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS07
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapor H315 - Causes skin 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, 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.
	Rinse skin with water/shower
GHS-US labeling	
-	
Hazard pictograms (GHS-US)	
	GHS02 GHS07
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)
	P332+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
2.3 Other bazards	

2.3. **Other hazards**

No additional information available

SECT	ION 3: Composition/Informatior	on ingredients		
3.1.	Substances			
Not app	blicable			
3.2.	Mixtures			
Name)	Product identifier	%	Classification according to Directive 67/548/EEC
METH	YL 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
20/06/20)17	EN (English US)		2/10

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
CYCLOHEXANE-1,2-DICARBOXYLIC ACID, MONO(7- HYDROXY-4-METHYLOCTYL) ESTER (13C4, 99%)	(CAS No) 1637562-52-7 (Unlabeled) (EC Index No)	0.013	Xi; R36 R43
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
CYCLOHEXANE-1,2-DICARBOXYLIC ACID, MONO(7- HYDROXY-4-METHYLOCTYL) ESTER (13C4, 99%)	(CAS No) 1637562-52-7 (Unlabeled) (EC Index No)	0.013	Eye Irrit. 2, H319 Skin Sens. 1, H317
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
CYCLOHEXANE-1,2-DICARBOXYLIC ACID, MONO(7- HYDROXY-4-METHYLOCTYL) ESTER (13C4, 99%)	(CAS No) 1637562-52-7 (Unlabeled)	0.013	Eye Irrit. 2, H319 Skin Sens. 1, H317

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. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see Hazard pictograms (CLP) on this label).
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	l at	tention 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	bst	ance or mixture
Fire hazard	:	Highly flammable liquid and vapor.
Explosion hazard	:	May form flammable/explosive vapor-air mixture.
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 meas	su	
6.1. Personal precautions, protective eq		
General measures		Remove ignition sources. Use special care to avoid static electric charges. No open flames. No

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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. A	void release to the environment.
6.3. Methods and material for contain	nment 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. 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 storag	e
7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling	: 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. No open flames. No smoking. Use only non-sparking tools.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling.
7.2. Conditions for safe storage, inc	luding any incompatibilities
Technical measures	: Store in a well-ventilated place. Keep container tightly closed. Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof ventilating 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

Control parameters CYCLOHEXAN-1,2-DICARBOXYLIC ACID, MONO(7-HYDROXY- 4-METHYLOCTYL) ESTER (13C4, 99%) 100 UG/ML IN MTBE				
	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/m³)	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 ETHER	R UNLABELED (1634-04-4)			
Italy - Portugal - USA ACGIH ACGIH TWA (ppm) 50.0000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV) Remarks: Upper Respiratory Tract irritation. Kidney damage. Confirmed animal carcinogen with unknown relevance to humans. Confirmed animal Confirmed animal				
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).		

Appropriate engineering controls

: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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Personal protective equipment : Gloves. Protective clothing. Protective 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.
Respiratory 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	
The properties listed below are for the solvent, the main comp	
Physical state	: Liquid
Appearance	: Liquid.
Molecular mass	: 88.15 g/mol
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)	: Highly flammable liquid and vapor
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 mm²/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)

Other information 9.2. No additional information available

SECT	ION 10: Stability and reactivity		
10.1.	Reactivity		
No add	itional information available		
10.2.	Chemical stability		
See sto	rage and expiration date on CoA.		
10.3.	Possibility of hazardous reactions		
No add	itional information available		
10.4.	Conditions to avoid		
Heat. C	pen flame. Sparks. Direct sunlight.		
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10.5. Incompatible materials	
Strong acids. Strong oxidizing agents.	
10.6. Hazardous decomposition products	
Carbon oxides (CO, CO2). May release flammab	le gases.
SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
	DNO(7-HYDROXY- 4-METHYLOCTYL) ESTER (13C4, 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	
LD50 oral rat	4000 mg/kg
LC50 inhalation rat (ppm)	23576 ppm/4h - 4 h
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
Germ cell mutagenicity	: Not classified
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			
CYCLOHEXAN-1,2-DICARBOXYLIC ACID, MONO(7-HYDROXY- 4-METHYLOCTYL) ESTER (13C4, 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 (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

CYCLOHEXAN-1,2-DICARBOXYLIC ACID, MONO(7-HYDROXY- 4-METHYLOCTYL) ESTER (13C4, 99%) 100 UG/ML IN MTBE		
Biodegradation 0 % - Not readily biodegradable. (OECD Test Guideline 301D)		
METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)		
Biodegradation	0 % - Not readily biodegradable. (OECD Test Guideline 301D)	

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12.2 Pieceoumulative notential	
12.3. Bioaccumulative potential	
Log Pow	DNO(7-HYDROXY- 4-METHYLOCTYL) ESTER (13C4, 99%) 100 UG/ML IN MTBE
METHYL TERT-BUTYL ETHER UNLABELED	
Log Pow	1.06
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessmen	t
No additional information available	u da
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	5
13.1. Waste treatment methods Regional legislation (waste)	: Waste materials should be disposed of under conditions which meet Federal, State, and Local
Regional legislation (waste)	environmental control regulations.
Product/Packaging disposal recommendations:	: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Ecology - waste materials	: Dispose of as unused product.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / AD	Ν
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 Marine pollutant	: 1000 lbs : No
	. 110
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	
-	: 11

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Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 33
Classification code (ADR)	: F1
Hazard labels (ADR)	: 3 - Flammable liquids
	3
Orange plates	33 2398
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	11
Excepted quantities (ADR)	: E2
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.
I CALCULATION CONTRACTOR	

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	
CYCLOHEXAN-1,2-DICARBOXYLIC ACID, MC	NO(7-HYDROXY- 4-METHYLOCTYL) ESTER (13C4, 99%) 100 UG/ML IN MTBE
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
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
CYCLOHEXANE-1,2-DICARBOXYLIC ACID, M	ONO(7-HYDROXY-4-METHYLOCTYL) ESTER (13C4, 99%) (1637562-52-7 (Unlabeled))
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporing requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporing requirements of the United States SARA Section 313.
METHYL TERT-BUTYL ETHER UNLABELED	1634-04-4)
Subject to reporting requirements of United State	es 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
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15.2. International regulations

CANADA

 CYCLOHEXAN-1,2-DICARBOXYLIC ACID, MONO(7-HYDROXY- 4-METHYLOCTYL) ESTER (13C4, 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

CYCLOHEXAN-1 2-DICARE				ESTER (13C4, 99%) 100 UG	
U.S California - Proposition	· · · ·	No		LOTER (1304, 3370) 100 00/	
U.S California - Proposition 65 - Developmental Toxicity		No			
U.S California - Proposition 65 - Reproductive Toxicity - Female		No			
U.S California - Proposition 65 - Reproductive Toxicity - Male		No			
State or local regulations		U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List			
CYCLOHEXANE-1,2-DICAR	BOXYLIC ACID, MONO(7-	HYDROXY-4	4-METHYLOCTYL)	ESTER (13C4, 99%) (16375	62-52-7 (Unlabeled))
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	Proposit	alifornia - ion 65 - ictive Toxicity -	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)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S Ca Proposit	alifornia - ion 65 - ictive Toxicity -	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No		No	
CYCLOHEXANE-1,2-DICAR	BOXYLIC ACID, MONO(7-	HYDROXY-4	4-METHYLOCTYL)	ESTER (13C4, 99%) (16375	62-52-7 (Unlabeled))
State or local regulations	· · ·		· · · · ·		. "
U.S Pennsylvania - RTK (F U.S New Jersey - Right to		e List			
METHYL TERT-BUTYL ETH	IER UNLABELED (1634-04	-4)			
State or local regulations					
U.S Massachusetts - Right U.S New Jersey - Right to U.S Pennsylvania - RTK (F	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:

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

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Skin Sens. 1	Skin sensitization Category 1
H225	Highly flammable liquid and vapor
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
R11	Highly flammable
R36	Irritating to eyes
R38	Irritating to skin
R43	May cause sensitization by skin contact
F	Highly flammable
Xi	Irritant

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 temperature conditions.
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