

**SECTIO** 1.1.

Droduct form

# **3-TETRAHYDROFUROIC ACID UNLABELED 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

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Version: 2.0

ULM-9691-S

e/mixture and of the company/undertaking

Ν	1: Identification of the substance
<b>D</b> r	oduct identifier

## Mixturee

	. Mixtures
Product name	: 3-TETRAHYDROFUROIC ACID UNLABELED 100 UG/ML IN MTBE
Product code	: ULM-9691-S

1.2. Relevant identified uses of the substance or mixture and uses advised against

### 1.2.1. **Relevant identified uses**

Main use category

: Professional use

: For professional use only

Industrial/Professional use spec 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Cambridge Isotope Laboratories, Inc. 50 Frontage Road Andover, MA 01810 USA USA: 1-800-322-1174 Int: 1-978-749-8000 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**

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**

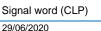
Flam. Liq. 2 H225 Skin Irrit. 2 H315 Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

central nervous system. kidneys.

### Label elements 2.2.

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





GHS07

1/10

# Safety Data Sheet

Precautionary statements (CLP)	<ul> <li>H315 - Causes skin irritation</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Ne smoking.</li> <li>P233 - Keep container tightly closed.</li> <li>P240 - Ground/bond container and receiving equipment.</li> </ul>
	<ul> <li>P241 - Use explosion-proof electrical, lighting, ventilating equipment</li> <li>P264 - Wash hands, forearms and face thoroughly after handling.</li> <li>P280 - Wear protective clothing, protective gloves.</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of water.</li> <li>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.</li> <li>Rinse skin with water/shower.</li> </ul>
GHS-US labeling	
Hazard pictograms (GHS-US)	
Signal word (GHS-US)	GHS02 GHS07 : Danger
Hazard statements (GHS-US)	: H225 - Highly flammable liquid and vapor H315 - Causes skin irritation
Precautionary statements (GHS-US)	<ul> <li>P210 - Keep away from heat, hot surfaces, open flames, sparks No smoking.</li> <li>P233 - Keep container tightly closed.</li> <li>P240 - Ground/Bond container and receiving equipment</li> <li>P241 - Use explosion-proof electrical equipment</li> <li>P242 - Use only non-sparking tools.</li> <li>P243 - Take precautionary measures against static discharge.</li> <li>P264 - Wash hands, forearms and face thoroughly after handling.</li> <li>P280 - Wear eye protection, face protection, protective clothing, protective gloves.</li> <li>P302+P352 - If on skin: Wash with plenty of water</li> <li>P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</li> <li>P321 - Specific treatment (see Hazardous component(s) for labeling on this label)</li> <li>P322+P313 - If skin irritation occurs: Get medical advice/attention.</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse.</li> <li>P370+P378 - In case of fire: Use Water spray, Alcohol resistant foam, Dry chemical, Carbon dioxide. to extinguish.</li> <li>P403+P235 - Store in a well-ventilated place. Keep cool.</li> <li>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation</li> </ul>
2.3. Other hazards	
No additional information available	
SECTION 3: Composition/Informa	ation on ingredients
3.1. Substances	
Not applicable 3.2. Mixtures	

2.2	Mixture
J.Z.	INIALUI

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
3-TETRAHYDROFUROIC ACID UNLABELED	(CAS-No.) 89364-31-8 (EC-No.) (EC Index-No.)	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

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
3-TETRAHYDROFUROIC ACID UNLABELED	(CAS-No.) 89364-31-8 (EC-No.) (EC Index-No.)	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
3-TETRAHYDROFUROIC ACID UNLABELED	(CAS-No.) 89364-31-8	0.013	Skin Irrit. 2, H315 Eye Irrit. 2A, 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 First-aid measures after inhalation	<ul> <li>If you feel unwell, seek medical advice (show the label where possible). Evacuate danger area</li> <li>When symptoms occur: go into open air and ventilate suspected area. If not breathing, give</li> </ul>
	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 e	ffects, both acute and delayed
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed.
4.3. Indication of any immediate med	ical attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	s
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	substance or mixture
Fire hazard	: Highly flammable liquid and vapor.
5.3. Advice for firefighters	
Firefighting instructions	: Fight fire with normal precautions from a reasonable distance. Wear a self contained breathin 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 m	easures
6.1. Personal precautions, protective	equipment 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	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Prevent entry to sewers and public waters. A	void release to the environment.

Prevent entry to sewers and public waters. Avoid release to the environment.

# 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

6.3. Methods and materia	I for containment and cleaning	up			
For containment	it. Small quan container for earth for subs	Collect spillage. Clean up any spills as soon as possible, using an absorbent material to collect it. 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.			
Other information	: Dispose of ma	aterials or solid residues at an authorized site.			
6.4. Reference to other se	ections				
For further information refer to se	ection 13.				
<b>SECTION 7: Handling ar</b>	nd storage				
7.1. Precautions for safe	handling				
Precautions for safe handling	explosion-pro	with skin and eyes. Avoid breathing dust, fume, gas, mist, spray, vapors. Use of equipment. Keep away from sources of ignition - No smoking. Prevent the actrostatic charge. Provide adequate ventilation to minimize dust and/or vapor s.			
Hygiene measures		Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.			
7.2. Conditions for safe s	torage, including any incompat	bilities			
Technical measures	: Store in a wel	Store in a well-ventilated place. Keep container tightly closed.			
Storage conditions	: Store at room	Store at room temperature away from light and moisture.			
7.3. Specific end use(s)					
No additional information availab	ble				
SECTION 8: Exposure c	ontrols/personal protection	on			
8.1. Control parameters					
3-TETRAHYDROFUROIC ACI	3-TETRAHYDROFUROIC ACID UNLABELED 100 UG/ML IN MTBE				
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 <sup>3</sup> )	144 mg/m <sup>3</sup> 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	METHYL TERT-BUTYL ETHER 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 <sup>3</sup> )	144 mg/m <sup>3</sup> 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).			

### 8.2. Exposure controls

Appropriate engineering controls

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

Personal protective equipment

Materials for protective clothing

Environmental exposure controls

Skin and body protection

Respiratory protection

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



- : Wear suitable protective clothing and gloves.
- : Wear suitable protective clothing and gloves.
- : Wear eye protection. Chemical goggles or face shield with safety glasses.
- : Wear suitable protective clothing, gloves and eye/face protection.
- : In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.
- : Avoid release to the environment.

Hand protection

Eye protection

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

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 compo	nent of this mixture.	
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)	: 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 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)	

### 9.2. **Other information**

No additional information available

SECTION 10: Stability and reactivity			
10.1.	I0.1. Reactivity		
No addi	tional information available		
10.2.	Chemical stability		
See sto	rage and expiration date on CoA.		
10.3.	Possibility of hazardous reactions		
No addi	tional information available		
10.4.	Conditions to avoid		
Heat. O	pen flame. Sparks.		
10.5.	Incompatible materials		
Oxidizir	g agent. Strong acids.		
10.6.	Hazardous decomposition products		
Carbon	oxides (CO, CO2).		
SECT	ON 11: Toxicological informatio	on de la constante de la const	
11.1.	Information on toxicological effects		
Acute to	xicity	Not classified	
3-TET	3-TETRAHYDROFUROIC ACID UNLABELED 100 UG/ML IN MTBE		
LD50	oral rat	4000 mg/kg	
LC50	nhalation rat (ppm)	23576 ppm/4h	
METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)			
LD50 oral rat 4000 mg/kg			
29/06/20	20	EN (English US) 5	5/10

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

METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)		
LC50 inhalation rat (ppm)	23576 ppm/4h	
Skin corrosion/irritation	: Causes skin irritation.	
	Skin - Rabbit - Causes skin irritation	
Serious eye damage/irritation	: Eyes - Rabbit - 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. central nervous system. Dizziness. Nausea. Vomiting. IF INHALED: Risk of pneumonia.	
IARC group	: 2B	
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause respiratory irritation.	
Symptoms/effects after skin contact	: Causes skin irritation.	
Symptoms/effects after eye contact	: May cause eye irritation.	
Symptoms/effects after ingestion	: May be harmful if swallowed.	

SECTION 12: Ecological information		
12.1. Toxicity		
3-TETRAHYDROFUROIC ACID UNLABELED	00 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 (1	634-04-4)	
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		
,		
3-TETRAHYDROFUROIC ACID UNLABELED		
Persistence and degradability	Not readily biodegradable. (OECD 301D method).	
Biodegradation		
METHYL TERT-BUTYL ETHER UNLABELED (1		
Persistence and degradability	Not readily biodegradable. (OECD 301D method).	
Biodegradation	0 %	
12.3. Bioaccumulative potential		
3-TETRAHYDROFUROIC ACID UNLABELED 1	00 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 assessment		
No additional information available		
12.6. Other adverse effects		

## No additional information available

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

<b>SECTION 13: Disposal consideratio</b>	ns
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.
<b>SECTION 14: Transport information</b>	
In accordance with ADR / RID / IMDG / IATA / A	DN
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
	FLAMMABLE LIQUID
Packing group (DOT)	: II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	<ul> <li>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</li></ul>
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	
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
	3
Orange plates	33 2398
Tunnel restriction code (ADR)	: D/E

44.2

Additional information

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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Limited quantities (ADR)	11
EAC	: •3YE
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	

: 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

Special transport precautions

SECTION 15: Regulatory information		
15.1. US Federal regulations		
3-TETRAHYDROFUROIC ACID UNLABELED 1	00 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	
METHYL TERT-BUTYL ETHER UNLABELED (1	634-04-4)	
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	
3-TETRAHYDROFUROIC ACID UNLABELED (89364-31-8)		
SARA Section 302 Threshold Planning Quantity (TPQ)	ARA 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	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313	

### 15.2. International regulations

CANADA
3-TETRAHYDROFUROIC ACID UNLABELED 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

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

15.3. US State regulations				
3-TETRAHYDROFUROIC A	3-TETRAHYDROFUROIC ACID UNLABELED 100 UG/ML IN MTBE()			
U.S California - Proposition 65 - Carcinogens List		No		
U.S California - Propositio Toxicity	n 65 - Developmental	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		
METHYL TERT-BUTYL ETI	HER UNLABELED (1634-04	1-4)		
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	
3-TETRAHYDROFUROIC A	CID UNLABELED (89364-3	31-8)		
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	
METHYL TERT-BUTYL ET	HER UNLABELED (1634-04	1-4)		
State or local regulations	·			
U.S Massachusetts - Righ U.S New Jersey - Right to U.S Pennsylvania - RTK (I	Know Hazardous Substanc	e List		
3-TETRAHYDROFUROIC A	CID UNLABELED (89364-3	31-8)		
State or local regulations	•			
U.S Pennsylvania - RTK ( U.S New Jersey - Right to		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
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
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

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

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.         Hazard Rating         Health       : 2 Moderate Hazard - Temporary or minor injury may occur         Flammability       : 3 Serious Hazard         Physical       : 0 Minimal Hazard		
<ul> <li>NFPA fire hazard</li> <li>S - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.</li> <li>NFPA reactivity</li> <li>O - Material that in themselves are normally stable, even under fire conditions.</li> </ul> Hazard Rating Health <ul> <li>2 Moderate Hazard - Temporary or minor injury may occur</li> <li>Flammability</li> <li>3 Serious Hazard</li> </ul>	NFPA health hazard	temporary incapacitation or residual injury
Hazard Rating         Health         Flammability         : 2 Moderate Hazard - Temporary or minor injury may occur         : 3 Serious Hazard	NFPA fire hazard	: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient
Health: 2 Moderate Hazard - Temporary or minor injury may occurFlammability: 3 Serious Hazard	NFPA reactivity	
Flammability : 3 Serious Hazard	Hazard Rating	
	Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Physical : 0 Minimal Hazard	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