

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: 09/10/2020 Revision date: : Version: 1.0 ULM-11062-M-S

SECTION 1: Identif	ication of the substance/mixture and	l of the company/undertaking
1.1. Product ident	fier	
Product form	: Mixtures	
Product name	: (+)-TRANS-3'-HYDR	OXYCOTININE UNLABELED 100 UG/ML IN METHANOL
Product code	: ULM-11062-M-S	
1.2. Relevant iden	ified uses of the substance or mixture and us	ses advised against
1.2.1. Relevant iden	ified uses	
Main use category	: Professional use	
Industrial/Professional us	e spec : For professional use	only
1.2.2. Uses advised	against	
No additional information	· ·	
	supplier of the safety data sheet	
Cambridge Isotope Labo 50 Frontage Road Andover, MA 01810 USA	atones, Inc.	
USA: 1-800-322-1174 cilsales@isotope.com	nt: 1-978-749-8000 www.isotope.com	
Emergency te	ephone number	
Emergency numbers:		
Chemtrec: 1-800-424-93 International: 1-703-741		
SECTION 2: Hazar	Is identification	
2.1. Classification	of the substance or mixture	
Classification accordin	g to Regulation (EC) No. 1272/2008 [CLP]	
Flam. Liq. 2	H225	
Acute Tox. 3 (Oral)	H301	
Acute Tox. 3 (Dermal)	H311	
Acute Tox. 3 (Inhalation)	H331	
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
STOT SE 1	H370	
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 T; R24/25 Xi; R36/38 Xi; R39 T; R23		
Full text of R-phrases: see section 16		
GHS-US classification		
Flam, Lig, 2	H225	

 Flam. Liq. 2
 H225

 Acute Tox. 3 (Oral)
 H301

 Acute Tox. 3 (Dermal)
 H311

 Acute Tox. 3 (Inhalation)
 H331

 Skin Irrit. 2
 H315

 Eye Irrit. 2
 H319

 STOT SE 1
 H370

Full text of H statements : see section 16

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Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements	
Labeling according to Regulation (EC) N	o. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS08 GHS06
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapor
	H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled H315 - Causes skin irritation H319 - Causes serious eye irritation H370 - Causes damage to organs
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting equipment P260 - Do not breathe dust/fume/gas/mist/vapors/spray. 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)	HS02 GHS08 GHS06
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H225 - Highly flammable liquid and vapor H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled H315 - Causes skin irritation H319 - Causes serious eye irritation H370 - Causes damage to organs
Precautionary statements (GHS-US)	 P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P233 - Keep container tightly closed. P240 - Ground/Bond container and receiving equipment P241 - Use explosion-proof electrical/ventilating/lighting equipment P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. 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 protective gloves/protective clothing/eye protection/face protection. P301+P310 - If swallowed: Immediately call a poison center or doctor 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 - I f inhaled: Remove person to fresh air and keep comfortable for breathing P307+P311 - If exposed: Call a poison center/doctor P311 - Call a poison center or doctor P312 - Specific treatment (see supplemental first aid instruction on this label) P322 - Specific treatment (see supplemental first aid instruction on this label)

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P330 - Rinse mouth.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

PBT: not relevant - no registration required

SECTION 3: Composition/Information	on ingredients		
.1. Substances			
lot applicable			
.2. Mixtures			
Name	Product identifier	%	Classification according to Directive 67/548/EEC
100% METHANOL UNLABELED	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	99.987	F; R11 T; R39/23/24/25 Xi; R36/38
(+)-TRANS-3'-HYDROXYCOTININE UNLABELED	(CAS-No.) 34834-67-8 (EC Index-No.)	0.013	T; R25
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
100% METHANOL UNLABELED	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	99.987	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 1, H370
(+)-TRANS-3'-HYDROXYCOTININE UNLABELED	(CAS-No.) 34834-67-8 (EC Index-No.)	0.013	Acute Tox. 3 (Oral), H301
Name	Product identifier	%	GHS-US classification
100% METHANOL UNLABELED	(CAS-No.) 67-56-1	99.987	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 1, H370
(+)-TRANS-3'-HYDROXYCOTININE UNLABELED	(CAS-No.) 34834-67-8	0.013	Acute Tox. 3 (Oral), H301

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 medical advice is needed, have product container or label at hand. Call a physician immediately. Evacuate danger area.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Call a doctor.
First-aid measures after skin contact	: Rinse skin with water/shower. Take immediately victim to hospital. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Call a physician immediately.

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4.2. Most important symptoms and effects, both acute and delayed Symptoms/effects : Causes damage to organs (Eyes, heart, liver, kidneys, central nervous system, Skin) (in contact with skin, if inhaled, if swallowed). Symptoms/effects after inhalation : Toxic if inhaled. Symptoms/effects after skin contact : Toxic in contact with skin. Causes skin irritation. Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms/effects after ingestion : Toxic if swallowed. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures
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SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media : Dry powder. Dry sand.
Unsuitable extinguishing media : Do not use a heavy water stream.
5.2. Special hazards arising from the substance or mixture
Fire hazard : Highly flammable liquid and vapor.
Reactivity : Vapors may form flammable mixture with air. Highly flammable liquid and vapor.
5.3. Advice for firefighters
Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing
apparatus. Complete protective clothing. Wear recommended personal protective equipme
Other information : Use water spray to cool exposed surfaces.
SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures : Wear respiratory protection. Do not breathe dust, mist, gas, spray, vapors, fume. Avoid cor with skin, eyes and clothing. Ventilate spillage area. Remove all sources of ignition. No oper flames, no sparks, and no smoking. Ensure adequate air ventilation. Special attention shou 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. Do not allow to enter drains or water courses. Avoid release to the environment.
6.3. Methods and material for containment and cleaning up
For containment : Dike and contain spill.
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or pu waters. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information : Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections
For further information refer to section 13.
SECTION 7: Handling and storage
7.1. Precautions for safe handling
7.1. Precautions for safe handling Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. To precautionary measures against static discharge. Flammable vapors may accumulate in th container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust, fume, gas, spray, vapors, mist. Do not get in eyes, on skin, or on clothing. Us only outdoors or in a well-ventilated area.
Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Ta precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust, fume, gas, spray, vapors, mist. Do not get in eyes, on skin, or on clothing. Use

Technical measures

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container tightly closed. Store locked up.

: Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep

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Storage conditions

: Store at room temperature away from light and moisture.

7.3. Specific end use(s)

No additional information available

(+)-TRANS-3'-HYDROXYCOT	ININE UNLABELED 100 UG/ML IN METHAN	NOL
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	250 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Headache. Nausea. Dizziness. Eye damage. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Danger of cutaneous absorption.
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	260 mg/m ³ Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	325 mg/m ³ Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm Basis: NIOSH Recommended Exposure Limits
USA NIOSH	Remark (NIOSH)	Potential for dermal absorption.
USA OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m ³ Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (mg/m³)	325 mg/m ³ Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (ppm)	250 ppm Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (Ceiling) (ppm)	1000 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	Remark (OSHA)	The value in mg/m3 is approximate. Skin notation.
100% METHANOL UNLABEL	-ED (67-56-1)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	250 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Headache. Nausea. Dizziness. Eye damage. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Danger of cutaneous absorption.
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	260 mg/m ³ Basis: NIOSH Recommended Exposure Limits
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USA NIOSH	NIOSH REL (STEL) (mg/m ³)	325 mg/m ³ Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm Basis: NIOSH Recommended Exposure Limits

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100% METHANOL UNLABELED (67-56-1)		
USA NIOSH	Remark (NIOSH)	Potential for dermal absorption.
USA OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m ³ Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
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USA OSHA	OSHA PEL (STEL) (ppm)	250 ppm Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (Ceiling) (ppm)	1000 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	Remark (OSHA)	The value in mg/m3 is approximate. Skin notation.

(+)-TRANS-3'-HYDROXYCOTININE UNLABELED 100 UG/ML IN METHANOL DNEL/DMEL (Workers) Acute - systemic effects, dermal 40 mg/kg bodyweight/day Acute - systemic effects, inhalation 260 mg/m³ Acute - local effects, dermal 260 mg/cm² 40 mg/kg bodyweight/day Long-term - systemic effects, dermal Long-term - local effects, dermal 260 mg/cm² Long-term - local effects, inhalation 260 mg/m³ **DNEL/DMEL** (General population) 8 mg/kg body weight Acute - systemic effects, dermal Acute - systemic effects, inhalation 50 mg/m³ Acute - systemic effects, oral 8 mg/kg body weight Acute - local effects, inhalation 50 mg/m³ 8 mg/kg bodyweight/day Long-term - systemic effects,oral Long-term - systemic effects, inhalation 50 mg/m³ Long-term - systemic effects, dermal 8 mg/kg bodyweight/day Long-term - local effects, inhalation 50 mg/m³ PNEC (Water) PNEC aqua (freshwater) 154 mg/l PNEC aqua (marine water) 15.4 mg/l PNEC (Sediment) PNEC sediment (freshwater) 570.4 mg/kg dwt PNEC (Soil) 23.5 mg/kg dwt PNEC soil PNEC (STP) PNEC sewage treatment plant 100 mg/kg 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

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



Materials for protective clothing Hand protection Eye protection : Wear suitable protective clothing and gloves.

: Wear suitable protective clothing and gloves.

: Wear eye protection. Chemical goggles or face shield with safety glasses.

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Skin and body protection	: Wear suitable protective clothing, gloves and eye/face protection.
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 chemica

SECTION 9: Physical and chemical	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		
Molecular mass	: 32.04 g/mol		
Color	: Colorless		
Odor	: Pungent		
Odor threshold	: No data available		
рН	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Melting point	: -98 °C (-144 °F)		
Freezing point	: No data available		
Boiling point	: 64.7 °C (148.5 °F)		
Flash point	: 9.7 °C (49.5 °F) - closed cup		
Auto-ignition temperature	: 455 °C (851 °F) at 1,013 hPa (760 mmHg)		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: No data available		
Vapor pressure	: 130.3 hPa (97.7 mmHg) at 20 °C (68 °F); 169.27 hPa (126.96 mmHg) at 25 °C (77 °F)		
Vapor pressure at 50 °C	: 546.6 hPa (410 mmHg) at 50 °C (122 °F)		
Relative vapor density at 20 °C	: 1.11		
Relative density	: No data available		
Specific gravity / density	: 0.791 g/ml at 25 °C (77 °F)		
Solubility	: Water: Completely miscible		
Log Pow	: -0.77		
Log Kow	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosive properties	: Product is not explosive.		
Oxidizing properties	: Non oxidizing material according to EC criteria.		
Explosion limits	: 6 - 36 % (V)		
9.2. Other information			
No additional information available			

No additional information available

SECTION 10: Stability and reactivity			
10.1. Reactivity			
Vapors may form flammable mixture with air. Highly flammable liquid and vapor.			
10.2. Chemical stability			
See storage and expiration date on CoA.			
10.3. Possibility of hazardous reactions			
No dangerous reactions known under normal conditions of use.			
10.4. Conditions to avoid			
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.			
10.5. Incompatible materials			
Acid anhydrides. Acid chlorides. Oxidizing agent. Alkali Metal Amides. Reducing agents. Acids.			
10.6. Hazardous decomposition products			
Carbon oxides (CO, CO2).			

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SECTION 12: Ecological information

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11.1 Information on toxicological effects Acute toxicity : Oral: Toxic if swallowed. Demai: Toxic in contact with skin. Inhalation: Toxic if inhaled. (+)TRAMS-3'+UTDROXYCOTINIE UNLABELED 100 UG/ML IN METHANOL LD50 demain rabit 1187 - 2769 mg/kg LC50 inhalation rat (mg/l) 1282 gra/4h : 87.6 mg/l - 6 h ATE CLP (demail) 3000 000 mg/kg body weight LD50 orani rat 1187 - 2789 mg/kg LD50 orani rabit 17100 mg/kg LD50 orani rabit 1700 mg/kg LD50 orani rabit 1700 mg/kg LD50 orani rabit 182 rgm/4h : 87.6 mg/l - 6 h ATE CLP (oran) 300.000 mg/kg body weight ATE CLP (oran) 100.000 mg/kg body we	SECTION 11: Toxicological information			
(+)TRANS-3'-HYDROXYCOTINIE UNLABELED 100 UG/ML IN METHANOL LDS0 oral rat 1187 - 2769 mg/kg LCS0 inhalation rat (mg/l) 128.2 mg/4h; 87.6 mg/1 - 6 h ATE CLP (oral) 100.000 mg/kg body weight ATE CLP (oral) 300.000 mg/kg body weight ATE CLP (oral) 300.000 mg/kg body weight ATE CLP (oral) 102.200 mg/4h LDLO, oral, human 128.200 mg/4h LDLO, oral, human 143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. 100% METHANOL UNLABELED (67-56-1) LDS0 oral rat LDS0 oral rat 1187 - 2769 mg/kg LDS0 oral rat 100.000 mg/kg body weight ATE CLP (oral) 100.000 mg/kg body weight ATE CLP (oral) 300.000 mg/kg body weight ATE CLP (oral) 300.000 mg/kg body weight ATE CLP (oral) 100.000 mg/k	11.1. Information on toxicological effects			
LDS0 darl at 1187 - 2769 mg/kg LDS0 dermal rabbit 17100 mg/kg LCS0 inhalation rat (mg/l) 128.2 mg/l4h; 27.6 mg/l - 6 h ATE CLP (oral) 100.000 mg/kg body weight ATE CLP (dermal) 300.000 mg/l4h ATE CLP (dermal) 300.000 mg/l4h ATE CLP (dust, mist) 128.200 mg/l4h LDLO, oral, human 143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. 100% METHANOL UNLABELED (67-56-1) 100 LDS0 oral rat 1187 - 2769 mg/kg LDS0 oral rat rabbit 117100 mg/kg LDS0 doral rat (rat (mg/l) 128.2 mg/l4h; 87.6 mg/l - 6 h ATE CLP (dran) 100.000 mg/kg body weight ATE CLP (dran) 100.000 mg/kg body weight ATE CLP (dran) 300.000 mg/l4h ATE CLP (dran) 128.2 mg/l4h; 87.6 mg/l - 6 h ATE CLP (dust, mist) 128.2 mg/l4h; 187.6 mg/l - 6 h ATE CLP (dust, mist) 128.2 mg/l4h; 187.6 mg/l - 6 h ATE CLP (aust, mist) 128.2 mg/l4h; 187.6 mg/l - 6 h ATE CLP (aust, mist) 128.2 mg/l4h; 187.6 mg/l - 6 h ATE CLP (aust, mist) 128.2 mg/l4h; 187.6 mg/l - 6 h	Acute toxicity	: Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled.		
LDS0 dermal rabbit 17100 mg/kg LCS0 inhalation rat (mg/l) 128.2 mg/l4h; 87.6 mg/l - 6 h ATE CLP (ora) 100.000 mg/kg body weight ATE CLP (roa) 300.000 mg/kg body weight ATE CLP (user, mist) 128.200 mg/l4h ATE CLP (user, mist) 128.200 mg/l4h LDLO, oral, human 143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestimal irritation, nausea, womiting and diarrhea. 100% METHANOL UNLABELED (67-56-1) LDS0 oral rat LDS0 doral rat 1187 - 2769 mg/kg LDS0 doral rat 1187 - 2769 mg/kg LDS0 doral rat 1187 - 2769 mg/kg LCS0 inhalation rat (mg/l) 128.2 mg/l4h; 87.6 mg/l - 6 h ATE CLP (oran) 100.000 mg/kg body weight ATE CLP (oran) 30.000 mg/kg body weight ATE CLP (oran) 30.000 mg/kg body weight ATE CLP (oran) 100.000 mg/kg body weight LDCO, oral, human 128.20 mg/l4h LDO, oral, human 128.20 mg/l4h LDCO, oral, human 128.20 mg/l4h LDO, oral, buman 128.20 mg/l4h LDCO, oral, human 128.20 mg/l4h LDO, oral, human 128.20 mg/l4h	(+)-TRANS-3'-HYDROXYCOTININE UNLABEL	ED 100 UG/ML IN METHANOL		
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ATE CLP (oral) 100.000 mg/kg body weight ATE CLP (dermal) 300.000 mg/kg body weight ATE CLP (dust, mist) 128.200 mg/k4h LDLO, oral, human 143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. 100% METHANOL UNLABELED (67-56-1) 1187 - 2769 mg/kg LD50 or at at 1187 - 2769 mg/kg LD50 or lata 1187 - 2769 mg/kg LD50 or lata 1187 - 2769 mg/kg LD50 or lata 1187 - 2769 mg/kg LC50 inhalation rat (mg/l) 128.22 mg/k4h; 87.6 mg/l - 6 h ATE CLP (oral) 100.000 mg/kg body weight ATE CLP (oral) 300.000 mg/kg body weight ATE CLP (oral) 300.000 mg/kg body weight ATE CLP (oral) 128.20 mg/k4h LDLO, oral, human 143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, wontiting and diarrhea. (+) TRANS-3'-HYDROXYCOTININE UNLABELED (34834-67-8) ATE CLP (oral) 100.000 mg/kg body weight Stion crossion/irritation : Skin, rabbit. Result: No skin irritation Serious eye damage/irritation : Eyes, rabbit. Result: No skin irritation Germ cell mutagenicity : MA	LD50 dermal rabbit	17100 mg/kg		
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ATE CLP (oral) 100.000 mg/kg body weight ATE CLP (dermal) 300.000 mg/kg body weight ATE CLP (dust, mist) 128.200 mg/l/4h LDLO, oral, human 143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. (+)TRANS-3'-HYDROXYCOTININE UNLABELED (34834-67-8) ATE CLP (oral) 100.000 mg/kg body weight Skin corrosion/irritation : Skin. rabbit. Result: No skin irritation Serious eye damage/irritation : Skin. rabbit. Result: No skin irritation Germ cell mutagenicity : AMES test : S. tymphimurium. Result: Negative - Fibroblast - Result: Negative. Mutation in marmalian somatic cells. Mutagenicity (in vivo marmalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - Male and female - Result: Negative. Carcinogenicity : Not classified Reproductive toxicity : Damage to fetus not classifiable. Fertility classification not possible from current data. Specific target organ toxicity - single exposure : Causes damage to organs through prolonged or repeated exposure Aspiration hazard : Not classified Potential Adverse human health effects and symptoms : This information is bas	LD50 dermal rabbit	17100 mg/kg		
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ATE CLP (vapors) 3.000 mg/l4h ATE CLP (dust, mist) 128.200 mg/l/4h LDLO, oral, human 143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. (+)TRANS-3'-HYDROXYCOTININE UNLABELED (34834-67-8) ATE CLP (oral) 100.000 mg/kg body weight Skin corrosion/irritation : Skin, rabbit. Result: No skin irritation Serious eye damage/irritation : Eyes. rabbit. Result: No eye irritation Respiratory or skin sensitization : Maximisation Test. Guinea pig. Did not cause sensitization. (OECD 406 method) Germ cell mutagenicity : AMES test : S. tymphimurium. Result: Negative - Fibroblast - Result: Negative. Mutation in marmalian somatic cells. Mutagenicity (in vivo marmalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - Male and female - Result: Negative. Mouse - Male and female. Result: Negative. Mouse - Male and female - Result: Negative. Specific target organ toxicity - single exposure : Causes damage to organs through prolonged or repeated exposure. Specific target organ toxicity - repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure. Aspiration hazard : Not classified : This info	ATE CLP (oral)	100.000 mg/kg body weight		
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gastrointestinal irritation, ñausea, vomiting and diarrhea. (+)-TRANS-3'-HYDROXYCOTININE UNLABELED (34834-67-8) ATE CLP (ortal) 100.000 mg/kg body weight Skin corrosion/irritation : Skin, rabbit. Result: No skin irritation Serious eye damage/irritation : Eyes, rabbit. Result: No eye irritation Respiratory or skin sensitization : Maximisation Test. Guinea pig. Did not cause sensitization. (OECD 406 method) Germ cell mutagenicity : AMES test : S. tymphimurium. Result: Negative - Fibroblast - Result: Negative. Mutation in mammalian somatic cells. Mutagenicity (in vivo mammalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - Male and female - Result: Negative. Mouse - Male and female. Result: Negative Carcinogenicity : Not classified Reproductive toxicity – single exposure : Causes damage to organs through prolonged or repeated exposure Specific target organ toxicity – repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure. Aspiration hazard : Not classified : 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. Effects on humans. stomach. Symptoms/effects after inhalation : Toxic in contact with skin. Causes skin irritation. <tr< td=""><td>ATE CLP (dust, mist)</td><td>5</td></tr<>	ATE CLP (dust, mist)	5		
ATE CLP (oral) 100.000 mg/kg body weight Skin corrosion/irritation : Skin. rabbit. Result: No skin irritation Serious eye damage/irritation : Eyes. rabbit. Result: No eye irritation Respiratory or skin sensitization : Maximisation Test. Guinea pig. Did not cause sensitization. (OECD 406 method) Germ cell mutagenicity : AMES test : S. tymphimurium. Result: Negative - Fibroblast - Result: Negative. Mutation in mammalian somatic cells. Mutagenicity (in vio mammalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - Male and female - Result: Negative. Mouse - Male and female response Carcinogenicity : Not classified Reproductive toxicity : Damage to fetus not classifiable. Fertility classification not possible from current data. Specific target organ toxicity - repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure. 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	LDLO, oral, human			
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Serious eye damage/irritation: Eyes. rabbit. Result: No eye irritationRespiratory or skin sensitization: Maximisation Test . Guinea pig. Did not cause sensitization. (OECD 406 method)Germ cell mutagenicity: AMES test : S. tymphimurium. Result: Negative - Fibroblast - Result: Negative. Mutation in mammalian somatic cells. Mutagenicity (in vivo mammalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - Male and female - Result: Negative. Mouse - Male and female. Result: NegativeCarcinogenicity: Not classifiedReproductive toxicity: Damage to fetus not classifiable. Fertility classification not possible from current data.Specific target organ toxicity - repeated exposure: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.Aspiration hazard: Not classifiedPotential 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. Effects due to Ingestion may include: Headache. Dizziness. Drowsiness. metabolic acidosis. Coma. May be fatal if swallowed and enters airways. If swallowed there is a risk of blindness. Effects on humans. stomach.Symptoms/effects after inhalation: Toxic in contact with skin. Causes skin irritation.Symptoms/effects after eye contact: Toxic is nontact with skin. Causes skin irritation.	ATE CLP (oral)	100.000 mg/kg body weight		
Respiratory or skin sensitization: Maximisation Test . Guinea pig. Did not cause sensitization. (OECD 406 method)Germ cell mutagenicity: AMES test : S. tymphimurium. Result: Negative - Fibroblast - Result: Negative. Mutation in mammalian somatic cells. Mutagenicity (in vivo mammalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - Male and female - Result: Negative. Mouse - Male and female. Result: NegativeCarcinogenicity: Not classifiedReproductive toxicity: Damage to fetus not classifiable. Fertility classification not possible from current data.Specific target organ toxicity - single exposure: Causes damage to organs through prolonged or repeated exposureSpecific target organ toxicity - repeated exposure: Not classifiedAspiration hazard: Not classifiedPotential Adverse human health effects and symptoms: Ints 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. Effects due to Ingestion may include: Headache. Dizziness. Drowsiness. metabolic acidosis. Coma. May be fatal if swallowed and enters airways. If swallowed there is a risk of blindness. Effects on humans. stormach.Symptoms/effects after inhalation: Toxic if inhaled.Symptoms/effects after eye contact: Toxic in contact with skin. Causes skin irritation.Symptoms/effects after eye contact: Causes serious eye irritation.	Skin corrosion/irritation	: Skin. rabbit. Result: No skin irritation		
Germ cell mutagenicity: AMES test : S. tymphimurium. Result: Negative - Fibroblast - Result: Negative. Mutation in mammalian somatic cells. Mutagenicity (in vivo mammalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - Male and female - Result: Negative. Mouse - Male and female. Result: NegativeCarcinogenicity: Not classifiedReproductive toxicity: Damage to fetus not classifiable. Fertility classification not possible from current data.Specific target organ toxicity - single exposure: Causes damage to organs through prolonged or repeated exposureSpecific target organ toxicity - repeated exposure: Not classifiedAspiration hazard: Not classifiedPotential Adverse human health effects and symptoms: This information is based on our current knowledge and is intended to describe the product. Effects due to Ingestion may include: Headache. Dizziness. Drowsiness. metabolic acidosis. Coma. May be fatal if swallowed and enters airways. If swallowed there is a risk of blindness. Effects on humans. stomach.Symptoms/effects after shin contact: Toxic if inhaled.Symptoms/effects after skin contact: Toxic if inhaled.Symptoms/effects after skin contact: Causes serious eye irritation.	Serious eye damage/irritation	: Eyes. rabbit. Result: No eye irritation		
mammalian somatic cells. Mutagenicity (in vivo mammalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - Male and female - Result: Negative. Mouse - Male and female. Result: NegativeCarcinogenicity: Not classifiedReproductive toxicity: Damage to fetus not classifiable. Fertility classification not possible from current data.Specific target organ toxicity - single exposure: Causes damage to organs through prolonged or repeated exposureSpecific target organ toxicity - repeated exposure: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.Aspiration hazard: Not classifiedPotential 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. Effects due to Ingestion may include: Headache. Dizziness. Drowsiness. metabolic acidosis. Coma. May be fatal if swallowed and enters airways. If swallowed there is a risk of blindness. Effects on humans. stomach.Symptoms/effects after inhalation: Toxic if inhaled. Symptoms/effects after skin contact : Toxic in contact with skin. Causes skin irritation.Symptoms/effects after eye contact: Causes serious eye irritation.	Respiratory or skin sensitization	: Maximisation Test . Guinea pig. Did not cause sensitization. (OECD 406 method)		
Reproductive toxicity: Damage to fetus not classifiable. Fertility classification not possible from current data.Specific target organ toxicity – single exposure: Causes damage to organs through prolonged or repeated exposureSpecific target organ toxicity – repeated exposure: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.Aspiration hazard: Not classifiedPotential 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. Effects due to Ingestion may include: Headache. Dizziness. Drowsiness. metabolic acidosis. Coma. May be fatal if swallowed and enters airways. If swallowed there is a risk of blindness. Effects on humans. stomach.Symptoms/effects after inhalation: Toxic if inhaled.Symptoms/effects after eye contact: Toxic in contact with skin. Causes skin irritation.Symptoms/effects after eye contact: Causes serious eye irritation.		mammalian somatic cells. Mutagenicity (in vivo mammalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - Male and female - Result: Negative. Mouse - Male and female. Result: Negative		
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exposure	Specific target organ toxicity – single exposure	: Causes damage to organs through prolonged or repeated exposure		
YPotential 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. Effects due to Ingestion may include: Headache. Dizziness. Drowsiness. metabolic acidosis. Coma. May be fatal if swallowed and enters airways. If swallowed there is a risk of blindness. Effects on humans.Symptoms/effects after inhalation: Toxic if inhaled.Symptoms/effects after skin contact: Toxic in contact with skin. Causes skin irritation.Symptoms/effects after eye contact: Causes serious eye irritation.		: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.		
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Symptoms/effects after skin contact: Toxic in contact with skin. Causes skin irritation.Symptoms/effects after eye contact: Causes serious eye irritation.	Potential Adverse human health effects and	the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Effects due to Ingestion may include: Headache. Dizziness. Drowsiness. metabolic acidosis. Coma. May be fatal if swallowed and enters airways. If swallowed there is a risk of blindness. Effects on humans.		
Symptoms/effects after eye contact : Causes serious eye irritation.	Symptoms/effects after inhalation	: Toxic if inhaled.		
	Symptoms/effects after skin contact	: Toxic in contact with skin. Causes skin irritation.		
	Symptoms/effects after eye contact	: Causes serious eye irritation.		
	Symptoms/effects after ingestion			

SECTION 12. ECOlogical information		
12.1. Toxicity		
Ecology - general	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.	
(+)-TRANS-3'-HYDROXYCOTININE UNLABELED 100 UG/ML IN METHANOL		
LC50 fish 1	15400 mg/l mortality LC50 - Lepomis machrochirus (Bluegill) - 96 h	
EC50 Daphnia 1	> 10000 mg/l Daphnia magna (Water flea) - 48 h	
EC50 Daphnia 2	22000 mg/l Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 96 h	
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(+)-TRANS-3'-HYDROXYCOTININE UNLABELED 100 UG/ML IN METHANOL		
NOEC (acute) 7900 mg/l Oryzias latipes - 200 h		
100% METHANOL UNLABELED (67-56-1)		
LC50 fish 1	15400 mg/l mortality LC50 - Lepomis machrochirus (Bluegill) - 96 h	
EC50 Daphnia 1	> 10000 mg/l Daphnia magna (Water flea) - 48 h	
EC50 Daphnia 2	22000 mg/l Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 96 h	
NOEC (acute)	7900 mg/l Oryzias latipes - 200 h	

12.2. Persistence and degradability			
(+)-TRANS-3'-HYDROXYCOTININE UNLA	3ELED 100 UG/ML IN METHANOL		
Biochemical oxygen demand (BOD)	600 - 1200 mg/g		
Chemical oxygen demand (COD)	1420 mg/g		
ThOD	1500 mg/g		
Biodegradation	72 % - rapidly biodegradable aerobic - Exposure time 5 d		
100% METHANOL UNLABELED (67-56-1)			
Biochemical oxygen demand (BOD)	600 - 1200 mg/g		
Chemical oxygen demand (COD)	1420 mg/g		
ThOD	1500 mg/g		
Biodegradation	72 % - rapidly biodegradable aerobic - Exposure time 5 d		
12.3. Bioaccumulative potential			
(+)-TRANS-3'-HYDROXYCOTININE UNLA	BELED 100 UG/ML IN METHANOL		
BCF fish 1	5 mg/l Cyprinus carpio (Carp) - 72 d at 20 °C		
Bioconcentration factor (BCF REACH)	1		
Log Pow	-0.77		
100% METHANOL UNLABELED (67-56-1)			
BCF fish 1	5 mg/l Cyprinus carpio (Carp) - 72 d at 20 °C		
Bioconcentration factor (BCF REACH)	1		
Log Pow	-0.77		
12.4. Mobility in soil			
(+)-TRANS-3'-HYDROXYCOTININE UNLA	BELED 100 UG/ML IN METHANOL		
Ecology - soil	Not degradable in the soil.		
100% METHANOL UNLABELED (67-56-1)			
Ecology - soil	Not degradable in the soil.		
12.5. Results of PBT and vPvB assess	nent		
(+)-TRANS-3'-HYDROXYCOTININE UNLA	BELED 100 UG/ML IN METHANOL		
PBT: not relevant – no registration required			
100% METHANOL UNLABELED (67-56-1)			
PBT: not relevant – no registration required			
12.6. Other adverse effects			
Other adverse effects	: Avoid release to the environment.		
Other information	: Stability in water: at 19 °C - (83 - 91%) - 72 h. Remarks: Hydrolyses on contact with water. Hydrolyses readily.		
SECTION 13: Disposal considerati	ons		
13.1. Waste treatment methods			
Regional legislation (waste)	: Waste materials should be disposed of under conditions which meet Federal, State, and local		

SECTION 14: Transport information	
Ecology - waste materials	: Dispose of as unused product.
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.
	environmental control regulations.

In accordance with ADR / RID) / IMDG / IATA / ADN	
14.1. UN number		
UN-No.(DOT)	: 1230	
DOT NA no.	UN1230	
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14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Methanol
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
	6.1 - Poison
	FLAMMABLE LIQUID POISON
	3 6
DOT Symbols	: + - Fixes (cannot be altered) proper shipping name, hazard class, and packing group, I - Proper
	shipping name appropriate for international and domestic transportation
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
	TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the
	following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the
	temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of
	cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For
	liquids transported under ambient conditions may be calculated using the formula: (image)
	Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C
	(59 F) and 50 C (122 F), respectively.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
14.3. Additional information	
Emergency Response Guide (ERG) Number	: 131
Other information	: No supplementary information available.
Overlag d frances art	
Overland transport	000
Hazard identification number (Kemler No.)	: 336
Orange plates	336
	1230
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	11
Excepted quantities (ADR)	: E2
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	: 131
Air transport	
	. 11
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49	: 60 L
CFR 175.75)	
Civil Aeronautics Law	: Flammable liquids

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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		
(+)-TRANS-3'-HYDROXYCOTININE UNLABELE	ED 100 UG/ML IN METHANOL	
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
CERCLA RQ	5000 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 311/312 Hazard Classes	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	
100% METHANOL UNLABELED (67-56-1)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
CERCLA RQ	5000 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 311/312 Hazard Classes	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	
(+)-TRANS-3'-HYDROXYCOTININE UNLABELED (34834-67-8)		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	

15.2. International regulations

CANADA

(+)-TRANS-3'-HYDROXYCOTININE UNLABELED 100 UG/ML IN METHANOL	
Listed on the Canadian DSL (Domestic Substances List)	
100% METHANOL UNLABELED (67-56-1)	
Listed on the Canadian DSL (Domestic Substances List)	

15.2.1. National regulations

No additional information available

15.3. US State regulations

(+)-TRANS-3'-HYDROXYCOTININE UNLABELED 100 UG/ML IN METHANOL()		
U.S California - Proposition 65 - Carcinogens List	No	
U.S California - Proposition 65 - Developmental Toxicity	Yes	
U.S California - Proposition 65 - Reproductive Toxicity - Female	No	
U.S California - Proposition 65 - Reproductive Toxicity - Male	No	
State or local regulations	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations 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 U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances	

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100% METHANOL UNLABELED (67-56-1)				
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	Yes	No	No	
(+)-TRANS-3'-HYDROX	YCOTININE UNLABELED (3483	34-67-8)		
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	
100% METHANOL UNL	ABELED (67-56-1)	<u>.</u>		
State or local regulations				
U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations 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 U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances				
(+)-TRANS-3'-HYDROX	YCOTININE UNLABELED (3483	34-67-8)		
State or local regulations				
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List				

SECTION 16: Other information

Other information

: This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Full text of R-, H- and EUH-phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 3 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
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 1	Specific target organ toxicity (single exposure) Category 1
H225	Highly flammable liquid and vapor
H301	Toxic if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H370	Causes damage to organs
R11	Highly flammable
R23	Toxic by inhalation
R24/25	Toxic in contact with skin and if swallowed
R25	Toxic if swallowed
R36/38	Irritating to eyes and skin
R39	Danger of very serious irreversible effects
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
F	Highly flammable
Т	Toxic
Xi	Irritant

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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

CIL Mixture SDS

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