

Safety Data Sheet

 Control of Decision (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: 20/02/2014
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 Supersedes: 20/02/2014
 Version: 1.1

 ULM-8905-S

SECTION 1: Identification of the su	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixtures
Product name	: O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE
Product code	: ULM-8905-S
1.2. Relevant identified uses of the su	bstance or mixture and uses advised against
1.2.1. Relevant identified uses	
Industrial/Professional use spec	: For professional use only
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safe	ty 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 of	r mixture
Classification according 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 67/54	8/EEC [DSD] or 1999/45/EC [DPD]
F; R11 T; R23/24/25 Xi; R36/38	
Full text of R-phrases: see section 16	

GHS-US classification

 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. 2A
 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) No. 1	1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS08 GHS06
Signal word (CLP)	: Danger
Hazard statements (CLP)	 H225 - Highly flammable liquid and vapour 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 (eyes, heart, kidneys, liver, central nervous system) (in contact with skin, if inhaled, if swallowed)
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 P260 - Do not breathe dust, mist, vapors, fume, gas, 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)	
Circulation (CLIC, LIC)	GHS02 GHS08 GHS06
Signal word (GHS-US) Hazard statements (GHS-US)	 Danger H225 - Highly flammable liquid and vapour 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 (eyes, kidneys, liver, heart, central nervous system) (Dermal, Inhalation, oral)
Precautionary statements (GHS-US)	 P210 - Keep away from heat, open flames, sparks No smoking. P233 - Keep container tightly closed. P240 - Ground/Bond container and receiving equipment P241 - Use explosion-proof electrical, lighting, ventilating equipment P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust, fume, mist, gas, spray, vapors. P261 - Avoid breathing dust, fume, gas, spray, vapors, mist. 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 clothing, protective gloves. P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P307+P311 - If exposed: Call a poison center/doctor P311 - Call a doctor, a POISON CENTER P312 - Call a doctor, a POISON CENTER if you feel unwell

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P321 - Specific treatment (see Hazardous component(s) for labeling on this label)
P322 - Specific treatment (see Hazard pictograms (CLP) on this label)
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.
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder to extinguish.
P403+P235 - Store in a well-ventilated place. Keep 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

3.1. Substances

Not applicable

3.2. 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	99.873737	F; R11 T; R39/23/24/25 Xi; R36/38
O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 97%+ PURE	(CAS-No.) 28523-79-7 (EC-No.) EAR99	0.1264	R52/53
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	99.873737	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
O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 97%+ PURE	(CAS-No.) 28523-79-7 (EC-No.) EAR99	0.1264	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Name	Product identifier	%	GHS-US classification
100% METHANOL UNLABELED	(CAS-No.) 67-56-1	99.873737	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

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	: Move out of dangerous area. Consult a physician and show this safety data sheet.
First-aid measures after inhalation	 Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
First-aid measures after skin contact	: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
First-aid measures after eye contact	: Flush eye with water for 15 minutes. Get medical attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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4.2. Most important symptoms and effe	cts, both acute and delayed		
Symptoms/effects after inhalation	: May be harmful if inhaled. Causes res	piratory tract irritation.	
Symptoms/effects after skin contact	: Toxic if absorbed through skin. Cause	es skin irritation.	
Symptoms/effects after eye contact	: Causes eye irritation.		
Symptoms/effects after ingestion	: Toxic if swallowed.		
4.3. Indication of any immediate medica	al attention and special treatment neede	d	
No additional information available		-	
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	fires, apply water from as far as possil	cohol" foam, dry chemical, or carbon dioxide. For large ble. Use very large quantities (flooding) of water applied ater may be ineffective. Cool all affected containers with	
5.2. Special hazards arising from the su	ibstance or mixture		
Reactivity	: Vapors may form flammable mixture v	vith air. Highly flammable liquid and vapour.	
5.3. Advice for firefighters			
Firefighting instructions	: Use water spray to cool unopened co	ntainers.	
Protection during firefighting		protective equipment, including respiratory protection.	
SECTION 6: Accidental release mea			
6.1. Personal precautions, protective ed	quipment and emergency procedures		
6.1.1. For non-emergency personnel			
Emergency procedures	ventilation. Remove all sources of igni	void breathing vapors, mist or gas. Ensure adequate ition. Evacuate personnel to safe areas. Beware of ve concentrations. Vapours can accumulate in low areas.	
6.1.2. For emergency responders No additional information available			
6.2. Environmental precautions			
Prevent further leakage or spillage if safe to do	so. Do not let product enter drains.		
6.3. Methods and material for containm	ent and cleaning up		
For containment	•	-combustible absorbent material. Disposal should be in	
	accordance with applicable Federal, S		
6.4. Reference to other sections			
No additional information available			
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Additional hazards when processed		id inhalation of vapour or mist. Use explosion-proof of ignition - No smoking. Take measures to prevent the	
Hygiene measures	: Handle in accordance with good indus breaks and at the end of workday.	strial hygiene and safety practice. Wash hands before	
7.2. Conditions for safe storage, includ	ing any incompatibilities		
Storage conditions	: Store refrigerated (-5 C to 5 C). Protect	ct from light.	
7.3. Specific end use(s)			
No additional information available			
SECTION 8: Exposure controls/pers	sonal protection		
8.1. Control parameters			
O,O-DIMETHYLPHOSPHOROTHIOATE, PO	O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE		
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)

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•	-		0 UG/ML IN METHANOL 97%+PURE	
Italy - Portugal - USA ACGIH	Remark (ACGII	H)	Headache. Nausea. Dizziness. Eye damage. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Danger of cutaneous absorption.	
100% METHANOL UNLABEL	.ED (67-56-1)			
Italy - Portugal - USA ACGIH	ACGIH TWA (p	pm)	200.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)	
Italy - Portugal - USA ACGIH	ACGIH STEL (opm)	250 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)	
Italy - Portugal - USA ACGIH	Remark (ACGI	H)	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 (T)	NA) (mg/m³)	260 mg/m ³ Basis: NIOSH Recommended Exposure Limits	
USA NIOSH	NIOSH REL (T)	NA) (ppm)	200 ppm Basis: NIOSH Recommended Exposure Limits	
USA NIOSH	NIOSH REL (S	TEL) (mg/m³)	325 mg/m ³ Basis: NIOSH Recommended Exposure Limits	
USA NIOSH	NIOSH REL (S	TEL) (ppm)	250 ppm Basis: NIOSH Recommended Exposure Limits	
USA NIOSH	Remark (NIOSI	Н)	Potential for dermal absorption.	
USA OSHA	OSHA PEL (TW	/A) (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/m ³)		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 (Ce	iling) (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.	
O,O-DIMETHYLPHOSPHOR	OTHIOATE, POT	ASSIUM SALT UNLABELED 100	0 UG/ML IN METHANOL 97%+PURE	
DNEL/DMEL (Workers)				
Acute - systemic effects, derm		40 mg/kg bodyweight/day		
Acute - systemic effects, inhala	ation	260 mg/m ³		
Acute - local effects, dermal		260 mg/cm ²		
Long-term - systemic effects, o	dermal	40 mg/kg bodyweight/day		
Long-term - local effects, derm		260 mg/cm ²		
Long-term - local effects, inhal		260 mg/m ³		
DNEL/DMEL (General populat				
Acute - systemic effects, dermal		8 mg/kg body weight		
Acute - systemic effects, inhala	ation	50 mg/m ³		
Acute - systemic effects, oral	8 mg/kg body weight			
Acute - local effects, inhalation				
Long-term - systemic effects,o				
Long-term - systemic effects, i	g-term - systemic effects, inhalation 50 mg/n			
Long-term - systemic effects, dermal		8 mg/kg bodyweight/day		
Long-term - local effects, inhalation		50 mg/m³		

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O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE		
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)		
PNEC soil	23.5 mg/kg dwt	
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	

Personal protective equipment

smoking and when leaving work.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.
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 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 : No data available pН Relative evaporation rate (butyl acetate=1) : No data available : -98 °C (-144 °F) Melting point Freezing point : No data available Boiling point : 64.7 °C (148.5 °F) Flash point : 9.7 °C (49.5 °F) - closed cup : 455 °C (851 °F) at 1,013 hPa (760 mmHg) Auto-ignition temperature 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) : 546.6 hPa (410 mmHg) at 50 °C (122 °F) Vapor pressure at 50 °C 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 : No data available Viscosity, dynamic Explosive properties : Product is not explosive. Oxidizing properties : Non oxidizing material according to EC criteria. : 6 - 36 % (V) Explosion limits

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9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
Vapors may form flammable mixture with air. High	nly flammable liquid and vapour.
10.2. Chemical stability	, a see here efter
See storage and expiration date on CoA.	
10.3. Possibility of hazardous reactions No dangerous reactions known under normal con	ditions of use
J.	
10.4. Conditions to avoid	
Avoid Heat, Flames and Sparks.	
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).	
SECTION 11: Toxicological information	on
11.1. Information on toxicological effects	
Acute toxicity	: Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled.
O,O-DIMETHYLPHOSPHOROTHIOATE, POTA	ASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE
LD50 oral rat	1187 - 2769 mg/kg
LD50 dermal rabbit	17100 mg/kg
LC50 inhalation rat (mg/l)	128.2 mg/l/4h ; 87.6 mg/l - 6 h
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (vapors)	3.000 mg/l/4h
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.
100% METHANOL UNLABELED (67-56-1)	
LD50 oral rat	1187 - 2769 mg/kg
LD50 dermal rabbit	17100 mg/kg
LC50 inhalation rat (mg/l)	128.2 mg/l/4h ; 87.6 mg/l - 6 h
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (vapors)	3.000 mg/l/4h
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.
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	: 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
	Causes damage to organs
Specific target organ toxicity – repeated exposure	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure. No data available
Aspiration hazard	: No aspiration toxicity classification.

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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. 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.	е
Symptoms/effects after inhalation	: May be harmful if inhaled. Causes respiratory tract irritation.	
Symptoms/effects after skin contact	: Toxic if absorbed through skin. Causes skin irritation.	
Symptoms/effects after eye contact	: Causes eye irritation.	
Symptoms/effects after ingestion	: Toxic if swallowed.	

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.	
O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE		
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	
O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 97%+ PURE (28523-79-7)		
LC50 fish 1	100 mg/l Lepomis macrochirus - 96 h	
EC50 Daphnia 1	42.5 mg/l Daphnia magna (Water flea) - 24 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

O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE		
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		
O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE		

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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	

O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE	
Ecology - soil Not degradable in the soil.	
100% METHANOL UNLABELED (67-56-1)	
Ecology - soil Not degradable in the soil.	

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12.5. Results of PBT and vPvB assessme	ent
O,O-DIMETHYLPHOSPHOROTHIOATE, PO	TASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE
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 consideratio	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	: Dispose of contents/container to Comply with local regulations for disposal.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / A	ADN .
14.1. UN number	
UN-No.(DOT)	: 1230
DOT NA no.	UN1230
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
	PLAMMABLE LIQUID 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
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	
Other information	: No supplementary information available.
Overland transport	
Packing group (ADR)	: 11
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 336
Classification code (ADR)	: FT1
×	
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Hazard labels (ADR)	: 3 - Flammable liquids 6.1 - Toxic substances
Orange plates	336 1230
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	11
EAC	: •2WE
APP	: A(fl)
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	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L

14.4.	Environmental hazards		
Other in	nformation	: No supplementary information available.	
14.5.	Special precautions for user		
14.6.	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		
O,O-DIMETHYLPHOSPHOROTHIOATE, POT	FASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE	
Listed on the United States TSCA (Toxic Subs	tances 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)	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	

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15.2. International regulations

CANADA

O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE

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	

O,O-DIMETHYLPHOSPHOROTHIOATE, POTASSIUM SALT UNLABELED 1000 UG/ML IN METHANOL 97%+PURE		
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	
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	
100% METHANOL UNLABELED (67-56-1)				
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

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	
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3	
	H225	Highly flammable liquid and vapour	
	H301	Toxic if swallowed	
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	H311	Toxic in contact with skin	
	H315	Causes skin irritation	
	H319	Causes serious eye irritation	
	H331	Toxic if inhaled	
	H335	May cause respiratory irritation	
	H370	Causes damage to organs	
	R11	Highly flammable	
	R23/24/25	Toxic by inhalation, in contact with skin and if swallowed	
	R36/38	Irritating to eyes and skin	
	R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed	
	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment	
	F	Highly flammable	
	Т	Toxic	
	Xi	Irritant	
NFP	A health hazard	: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.	
NFP	A fire hazard	 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions. 	
NFP	A reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.	

Hazard 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