

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: 01/03/2019

CLM-9222-C

Revision date: 14/03/2019

Supersedes: 01/03/2019

Version: 2.0

1.1. Product identifie	r
Product form	: Mixtures
Product name	: L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) 100 UG/ML IN 0.1N AMMONIA METHANOL
Product code	: CLM-9222-C
1.2. Relevant identifi	ed uses of the substance or mixture and uses advised against
1.2.1. Relevant identifi	ed uses
Main use category	: Professional use
ndustrial/Professional use	spec : For professional use only
1.2.2. Uses advised ag	ainst
No additional information av	vailable
I.3. Details of the su	pplier of the safety data sheet
Andover, MA 01810	
JSA JSA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> wv	vw.isotope.com
Emergency telep	vw.isotope.com
USA USA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> wv <u>Emergency telep</u> Emergency numbers:	vw.isotope.com
USA USA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> wv	vw.isotope.com phone number (24 hours)
USA USA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> wv <u>Emergency telep</u> Emergency numbers: Chemtrec: 1-800-424-9300 International: 1-703-741-59	vw.isotope.com phone number 0 (24 hours) 070 (24 hours)
JSA JSA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> wv <u>Emergency telep</u> Emergency numbers: Chemtrec: 1-800-424-9300 nternational: 1-703-741-59 SECTION 2: Hazards	vw.isotope.com phone number 0 (24 hours) 070 (24 hours)
JSA JSA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> ww <u>Emergency telep</u> Emergency numbers: Chemtrec: 1-800-424-9300 nternational: 1-703-741-59 SECTION 2: Hazards 2.1. Classification of Classification according t	vw.isotope.com phone number 0 (24 hours) 070 (24 hours) identification
USA USA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> ww <u>Emergency telep</u> Emergency numbers: Chemtrec: 1-800-424-9300 International: 1-703-741-59 SECTION 2: Hazards 2.1. Classification of Classification according t Flam. Liq. 2	vw.isotope.com phone number 0 (24 hours) 070 (24 hours) identification the substance or mixture o Regulation (EC) No. 1272/2008 [CLP] H225
JSA JSA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> ww <u>Emergency telep</u> Emergency numbers: Chemtrec: 1-800-424-9300 nternational: 1-703-741-59 SECTION 2: Hazards 2.1. Classification of Classification according t Flam. Liq. 2 Acute Tox. 3 (Oral)	ww.isotope.com phone number 0 (24 hours) 070 (24 hours) identification the substance or mixture o Regulation (EC) No. 1272/2008 [CLP] H225 H301
JSA JSA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> ww <u>Emergency telep</u> Emergency numbers: Chemtrec: 1-800-424-9300 nternational: 1-703-741-59 SECTION 2: Hazards 2.1. Classification of Classification according t Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal)	vw.isotope.com phone number 0 (24 hours) 070 (24 hours) identification the substance or mixture o Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311
JSA JSA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> ww <u>Emergency telep</u> Emergency numbers: Chemtrec: 1-800-424-9300 nternational: 1-703-741-59 SECTION 2: Hazards 2.1. Classification of Classification according t Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation:vap	vw.isotope.com phone number 0 (24 hours) 770 (24 hours) identification the substance or mixture o Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 pour) H331
JSA JSA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> wv Emergency telep Emergency numbers: Chemtrec: 1-800-424-9300 nternational: 1-703-741-59 SECTION 2: Hazards 2.1. Classification of Classification according t Flam. Liq. 2	vw.isotope.com phone number 0 (24 hours) 070 (24 hours) identification the substance or mixture o Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311
JSA JSA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> ww <u>Emergency telep</u> Emergency numbers: Chemtrec: 1-800-424-9300 nternational: 1-703-741-59 SECTION 2: Hazards 2.1. Classification of Classification according t Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation:vap	vw.isotope.com phone number 0 (24 hours) 770 (24 hours) identification the substance or mixture o Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 pour) H331
JSA JSA: 1-800-322-1174 Int: <u>cilsales@isotope.com</u> ww <u>Emergency telep</u> Emergency numbers: Chemtrec: 1-800-424-9300 nternational: 1-703-741-59 SECTION 2: Hazards 2.1. Classification of Classification according to Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation:vap Skin Irrit. 2	ww.isotope.com phone number 0 (24 hours) 070 (24 hours) identification the substance or mixture o Regulation (EC) No. 1272/2008 [CLP] H225 H301 H311 pour) H331 H315

T; R39/23/24/25 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:vapour) H331 Skin Irrit. 2 H315 Eve Irrit. 2A H319 STOT SE 1 H370

Full text of H statements : see section 16

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

Adverse physicochemical, human health and environmental effects

Eyes, Kidney, Liver, Heart, Central nervous system. Highly flammable liquid and vapor. Causes damage to organs (eyes, kidneys, liver, heart, central nervous system) (if inhaled, if swallowed, in contact with skin). Toxic in contact with skin. Toxic if inhaled. Toxic if swallowed. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements	
Labeling according to Regulation (EC) N	lo. 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 (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)	
Signal word (GHS-US)	GHS02 GHS08 GHS06 : 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 (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
14/02/2010	P307+P311 - If exposed: Call a poison center/doctor
14/03/2019	EN (English US) 2/15

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

> P311 - Call a doctor, a POISON CENTER P312 - Call a doctor, a POISON CENTER if you feel unwell 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. P362+P364 - Take off 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+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

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	99.77	F; R11 T; R39/23/24/25 Xi; R36/38
AMMONIA UNLABELED	(CAS-No.) 7664-41-7 (EC-No.) 236-926-9 (EC Index-No.) 007-001-00-5	0.21	R5 T; R23 C; R35 N; R50/53 R10 Xi; R41
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) CHEMICAL PURITY 97%	(CAS-No.) 1217459-13-6	0.01	Xn; R22
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	99.77	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
AMMONIA UNLABELED	(CAS-No.) 7664-41-7 (EC-No.) 236-926-9 (EC Index-No.) 007-001-00-5	0.21	Flam. Gas 2, H221 Press. Gas (Comp.), H280 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) CHEMICAL PURITY 97%	(CAS-No.) 1217459-13-6	0.01	Acute Tox. 4 (Oral), H302
Name	Product identifier	%	GHS-US classification
100% METHANOL UNLABELED	(CAS-No.) 67-56-1	99.77	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

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	%	GHS-US classification
AMMONIA UNLABELED	(CAS-No.) 7664-41-7	0.21	Flam. Gas 2, H221 Press. Gas (Comp.), H280 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) CHEMICAL PURITY 97%	(CAS-No.) 1217459-13-6	0.01	Acute Tox. 4 (Oral), H302

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, 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.		
4.2. Most important symptoms and effect	s, 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.			

Indication of any immediate medical attention and special treatment needed 4.3. Treat symptomatically.

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 s	ubstance 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 equipment.
Other information	: Use water spray to cool exposed surfaces.

SECH	ION 6: Accidental release meas	sures	
6.1.	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel		
Emerge	ncy procedures	: Wear respiratory protection. Do not breathe dust, mist, gas, spray, vapors, fume. Avoid co with skin, eyes and clothing. Ventilate spillage area. Remove all sources of ignition. No op flames, no sparks, and no smoking. Ensure adequate air ventilation. Special attention sho be given to low areas/pits where flammable vapors can accumulate.	pen
6.1.2.	For emergency responders		
Protectiv	ve equipment	: Do not attempt to take action without suitable protective equipment. For further informatio refer to section 8: "Exposure controls/personal protection".	on
6.2.	Environmental precautions		
Prevent	entry to sewers and public waters. Do no	ot allow to enter drains or water courses. Avoid release to the environment.	
14/03/201	19	EN (English US)	4/15

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 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 public 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			
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. Take 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 only outdoors or in a well-ventilated area.		
Hygiene measures	: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		
7.2. Conditions for safe storage, including	ng any incompatibilities		
Technical measures	: Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep container tightly closed. Store locked up.		
Storage conditions	: Store in freezer (-20°C). Protect from light.		

7.3. Specific end use(s)

No additional information available

.1. Control parameters		
L-3,3'-DIIODOTHYRONINE (T	2) (PHENOXY-13C6, 99%) 100 UG/ML IN 0	.1N AMMONIA IN METHANOL
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)

Safety Data Sheet

, ,	2) (PHENOXY-13C6, 99%) 100 UG/ML IN 0	
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
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 Limit (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 Ai 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.
AMMONIA UNLABELED (766	64-41-7)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	25.00000000 ppm USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	35 ppm USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Upper Respiratory Tract irritation Eye damage.
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	18 mg/m ³ USA. NIOSH Recommended Exposure Limits - Often used in an aquenous solution.
USA NIOSH	NIOSH REL (TWA) (ppm)	25 ppm USA. NIOSH Recommended Exposure Limit - Often used in an aquenous solution.
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	27 mg/m ³ California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA NIOSH	NIOSH REL (STEL) (ppm)	35 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107)

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

AMMONIA UNLABELED (7664-41-7)		
USA NIOSH	Remark (NIOSH)	ST 35.000000 ppm / 27.000000 mg/m3 USA. NIOSH Recommended Exposure Limits - Often used in an aquenous solution.
USA OSHA	OSHA PEL (TWA) (mg/m³)	35 mg/m ³ USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - The value in mg/m3 is approximate.
USA OSHA	OSHA PEL (TWA) (ppm)	50 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - The value in mg/m3 is approximate.
USA OSHA	OSHA PEL (STEL) (mg/m ³)	27 mg/m ³ USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (STEL) (ppm)	35 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	18 mg/m ³ California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (Ceiling) (ppm)	25 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107)

L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) 100 UG/ML IN 0.1N AMMONIA IN METHANOL		
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal	40 mg/kg bodyweight/day	
Acute - systemic effects, inhalation	260 mg/m ³	
Acute - local effects, dermal	260 mg/cm ²	
Long-term - systemic effects, dermal	40 mg/kg bodyweight/day	
Long-term - local effects, dermal	260 mg/cm ²	
Long-term - local effects, inhalation	260 mg/m ³	
DNEL/DMEL (General population)		
Acute - systemic effects, dermal	8 mg/kg body weight	
Acute - systemic effects, inhalation	50 mg/m³	
Acute - systemic effects, oral	8 mg/kg body weight	
Acute - local effects, inhalation	50 mg/m³	
Long-term - systemic effects,oral	8 mg/kg bodyweight/day	
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/m ³	
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)		
PNEC soil	23.5 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant 100 mg/kg		
3.2. 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.
Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.

: In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.

Personal protective equipment



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

Wear suitable protective clothing, gloves and eye/face protection.

: Wear suitable protective clothing and gloves.

Wear suitable protective clothing and gloves.

Materials for protective clothing Hand protection Eye protection Skin and body protection Respiratory protection

EN (English US)

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Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Environmental exposure controls

: Avoid release to the environment.

The properties listed below are for the solvent, the main component of this mixture. Physical state 2 Liquid Appearance 2 Appearance 2 Liquid. Molecular mass 2 20.49 g/mol Color 2 Colorless. Odor 2 Pungent. Odor threshold 2 No data available PH 3 No data available Relative evaporation rate (butyl acetate=1) 2 No data available Relative evaporation rate (butyl acetate=1) 2 No data available Boiling point 2 9.8°C (-144 °F) Freezing point 2 No data available Boiling point 2 9.7 °C (49.5 °F) - closed cup Auto-ignition temperature 2 9.7 °C (49.5 °F) at 1,013 hPa (760 mmHg) Decomposition temperature 2 No data available Yapor pressure at 50 °C 2 30.3 hPa (97.7 mmHg) at 20 °C (68 °F); 169.27 hPa (126.96 mmHg) at 25 °C (77 °F) Relative density 2 No data available 2 Specific gravity / density at	SECTION 9: Physical and chemica 9.1. Information on basic physical and	
Physical state: LiquidAppearance: Liquid.Molecular mass: 32.04 g/molColor: Coloress.Odor: Pungent.Odor threshold: No data availablepH: No data availableRelative evaporation rate (butyl acetate=1): Sto C (144 °F)Freezing point: No data availableBoiling point: No data availableBoiling point: No data availableFlammability (solid, gas): No data availablePapor pressure at 50 °C: Sto C (561 °F) at 1,013 hPa (760 mmHg)Vapor pressure at 50 °C: No data availableVapor pressure at 50 °C: Sto C (561 °F) at 0,212 °F)Relative density at 20 °C: No data availableRelative density at 20 °C: No data availableSolubility (solid, gas): No data availableSolubility (density density): No data availableSolubility (density density): No data availableSolubility (density): No data availableSolubility (density): No data availableLique completey miscible: No data availableLique properties		
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Solubility:Water: Completely miscibleLog Pow:-0.77Log Kow:No data availableViscosity, kinematic:No data availableViscosity, dynamic:No data availableExplosive properties:Product is not explosive.Oxidizing properties:Non oxidizing material according to EC criteria.	Relative density	: No data available
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Viscosity, kinematic: No data availableViscosity, dynamic: No data availableExplosive properties: Product is not explosive.Oxidizing properties: Non oxidizing material according to EC criteria.	Log Pow	: -0.77
Viscosity, dynamic: No data availableExplosive properties: Product is not explosive.Oxidizing properties: Non oxidizing material according to EC criteria.	Log Kow	: No data available
Explosive properties: Product is not explosive.Oxidizing properties: Non oxidizing material according to EC criteria.	Viscosity, kinematic	: No data available
Oxidizing properties : Non oxidizing material according to EC criteria.	Viscosity, dynamic	: No data available
	Explosive properties	: Product is not explosive.
Explosion limits : 6 - 36 % (V)	Oxidizing properties	: Non oxidizing material according to EC criteria.
	Explosion limits	: 6 - 36 % (V)
	No additional information available	

No add	itional information available
SECT	ION 10: Stability and reactivity
10.1.	Reactivity
vapors	may form flammable mixture with air. Highly flammable liquid and vapor.
10.2.	Chemical stability
Stable i	if stored under recommended conditions.
10.3.	Possibility of hazardous reactions
No dan	gerous reactions known under normal conditions of use.
10.4.	Conditions to avoid
Avoid c	contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5.	Incompatible materials
Acid an	hydrides. Acid chlorides. Oxidizing agent. Alkali Metal Amides. Reducing agents. Acids.
10.6.	Hazardous decomposition products
Carbon	oxides (CO, CO2).
SECT	ION 11: Toxicological information
11.1.	Information on toxicological effects
Acute to	oxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation:vapour: Toxic if inhaled.

Safety Data Sheet

L-3.3'-DIIODOTHYRONINE (T2) (PHENOXY-1	I3C6, 99%) 100 UG/ML IN 0.1N AMMONIA IN METHANOL
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.
AMMONIA UNLABELED (7664-41-7)	
LC50 inhalation rat (ppm)	2000 ppm 4 h
ATE CLP (gases)	700.000 ppmV/4h
ATE CLP (vapors)	3.000 mg/l/4h
ATE CLP (dust, mist)	0.500 mg/l/4h
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-1	I3C6, 99%) CHEMICAL PURITY 97% (1217459-13-6)
ATE CLP (oral)	500.000 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	: 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	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure
exposure	No data available
Aspiration hazard	: No aspiration toxicity classification.
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.
Symptoms/effects after inhalation	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.
	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	 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. Toxic if inhaled.

SECT	ION 12: Ecological information	
12.1.	Toxicity	

12.1.	Toxicity	
Ecology	- general	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in 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

L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) 100 UG/ML IN 0.1N AMMONIA 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			
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			
AMMONIA UNLABELED (7664-41-7)				
EC50 Daphnia 1	25.4 mg/l Daphnia magna (Water flea) - 48 h			

12.2. Persistence and degradability

12.2. Persistence and degradability				
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-	13C6, 99%) 100 UG/ML IN 0.1N AMMONIA 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			
AMMONIA UNLABELED (7664-41-7)				
Persistence and degradability	Not available.			
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-	13C6, 99%) CHEMICAL PURITY 97% (1217459-13-6)			
Persistence and degradability	Not available.			
12.3. Bioaccumulative potential				
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-	13C6, 99%) 100 UG/ML IN 0.1N AMMONIA 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			
AMMONIA UNLABELED (7664-41-7)				
Bioaccumulative potential	Not available.			
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) CHEMICAL PURITY 97% (1217459-13-6)				
Bioaccumulative potential	Not available.			
12.4. Mobility in soil				
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-	13C6, 99%) 100 UG/ML IN 0.1N AMMONIA IN METHANOL			
Ecology - soil	Not degradable in the soil.			
100% METHANOL UNLABELED (67-56-1)				
Ecology - soil Not degradable in the soil.				
AMMONIA UNLABELED (7664-41-7)				
Ecology - soil	Not available.			
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) CHEMICAL PURITY 97% (1217459-13-6)				
Ecology - soil Not available.				
12.5. Results of PBT and vPvB assessment				
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-	13C6, 99%) 100 UG/ML IN 0.1N AMMONIA IN METHANOL			
PBT: not relevant - no registration required				

Safety Data Sheet

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	: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Ecology - waste materials	: Dispose of as unused product.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / A	DN
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
	FLAMMABLE 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
DOT RQ	: 5000 lbs
Marine pollutant	: No
14.3. Additional information	
Emergency Response Guide (ERG) Number	: 131
Other information	: No supplementary information available.
Overland transport	
Packing group (ADR)	: 11
Class (ADR)	: 3 - Flammable liquid
14/03/2019	EN (English US) 11/15

Safety Data Sheet

Hazard identification number (Kemler No.) : 336 Classification code (ADR) : FT1 Hazard labels (ADR) : 3 - Flammable liquids 6.1 - Toxic substances Image: state of the sta	
Hazard labels (ADR) : 3 - Flammable liquids 6.1 - Toxic substances Orange plates : 336 Tunnel restriction code (ADR) : D/E Limited quantities (ADR) : D/E Limited quantities (ADR) : E2 Transport by sea DOT Vessel Stowage Location DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and or passenger vessel carrying a number of passengers specified in paragraph (k)(2)(i) or section is exceeded.	
6.1 - Toxic substances •••••••••••••••••••••••••••••	
330 1230 Tunnel restriction code (ADR) : D/E Limited quantities (ADR) 11 Excepted quantities (ADR) : E2 Transport by sea	
330 1230 Tunnel restriction code (ADR) : D/E Limited quantities (ADR) 11 Excepted quantities (ADR) : E2 Transport by sea	
Limited quantities (ADR) 11 Excepted quantities (ADR) : E2 Transport by sea	
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 or passenger vessel carrying a number of passengers limited to not more than the larger or passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) or section is exceeded.	
Transport by sea DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and or passenger vessel carrying a number of passengers limited to not more than the larger or passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) or section is exceeded.	
DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and or passenger vessel carrying a number of passengers limited to not more than the larger passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) or section is exceeded.	
passenger vessel carrying a number of passengers limited to not more than the larger of passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of section is exceeded.	
DOT Vessel Stowage Other 40 - Stow "clear of living guarters"	only" on
Der vesse etemage etter	
MFAG-No : 131	
Air transport	
DOT Quantity Limitations Passenger aircraft/rail : 1 L (49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49 : 60 L CFR 175.75)	
Civil Aeronautics Law : Flammable liquids	
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	
CECTION 45. Demulatory information	
SECTION 15: Regulatory information	
15.1. US Federal regulations	
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) 100 UG/ML IN 0.1N AMMONIA IN METHANOL	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
CERCLA RQ 5000 lb CARA Section 202 Threshold Planning Anti-Action 202 International States SARA Section 202	
SARA Section 302 Threshold Planning Not subject to reporting requirements of the United States SARA Section 302. Quantity (TPQ) The section 202 Threshold Planning	
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 Not subject to reporting requirements of the United States SARA Section 302. Quantity (TPQ) Planning	
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	

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

AMMONIA UNLABELED (7664-41-7)				
SARA Section 302 Threshold Planning Quantity (TPQ)	Subject to reporting requirements of United States SARA Section 302			
SARA Section 311/312 Hazard Classes	Sudden release of pressure hazard Immediate (acute) health hazard Delayed (chronic) health hazard			
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313			
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) CHEMICAL PURITY 97% (1217459-13-6)				
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302			
SARA Section 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

L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) 100 UG/ML IN 0.1N AMMONIA 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					
L-3,3'-DIIODOTHYRONIN	E (T2) (PHENOXY-13C6, 9	9 %) 100 UG/ML IN (.1N AMMONIA	IN METHANOL()	
U.S California - Propositi	U.S California - Proposition 65 - Carcinogens List No				
U.S California - Proposition 65 - Developmental Yes Toxicity					
U.S California - Proposition Toxicity - Female	California - Proposition 65 - Reproductive No ity - Female				
U.S California - Propositi Toxicity - Male	on 65 - Reproductive	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			able Ambient Concentrations
100% METHANOL UNLABELED (67-56-1)					
U.S California - U.S California - U.S California - No significant risk level					

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		
AMMONIA UNLABELED (7	664-41-7)				
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		
L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) CHEMICAL PURITY 97% (1217459-13-6)					
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		

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

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

AMMONIA UNLABELED (7664-41-7)

State or local regulations

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

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

L-3,3'-DIIODOTHYRONINE (T2) (PHENOXY-13C6, 99%) CHEMICAL PURITY 97% (1217459-13-6)

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:

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			
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4			
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1			
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1			
Eye Dam. 1	Serious eye damage/eye irritation Category 1			
Eye Irrit. 2	Serious eye damage/eye irritation Category 2			
Flam. Gas 2	Flammable gases Category 2			
Flam. Liq. 2	Flammable liquids Category 2			
Press. Gas (Comp.)	Gases under pressure Compressed gas			
Skin Corr. 1A	Skin corrosion/irritation Category 1A			
Skin Irrit. 2	Skin corrosion/irritation Category 2			
STOT SE 1	Specific target organ toxicity (single exposure) Category 1			
H221	Flammable gas			
H225	Highly flammable liquid and vapor			
H280	Contains gas under pressure; may explode if heated			
H301	Toxic if swallowed			
H302	Harmful if swallowed			
H311	Toxic in contact with skin			
H314	Causes severe skin burns and eye damage			
H315	Causes skin irritation			
H318	Causes serious eye damage			
H319	Causes serious eye irritation			
H331	Toxic if inhaled			
H370	Causes damage to organs			
H400	Very toxic to aquatic life			
H410	Very toxic to aquatic life with long lasting effects			
R10	Flammable			
R11	Highly flammable			
R22	Harmful if swallowed			
R23	Toxic by inhalation			
R35	Causes severe burns			

Safety Data Sheet

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	R36/38	Instation to succeed and align
	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
	R41	Risk of serious damage to eyes
	R5	Heating may cause an explosion
	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
	С	Corrosive
	F	Highly flammable
	Ν	Dangerous for the environment
	Т	Toxic
	Xi	Irritant
	Xn	Harmful
NFF	A 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.

: 0 - Material that in themselves are normally stable, even

	under fire conditions.	\checkmark
Hazard Rating		
Health	: 2 Moderate Hazard - Temporary or minor injury may occur	
Flammability	: 3 Serious Hazard	
Physical	: 0 Minimal Hazard	

CIL Mixture SDS

NFPA reactivity

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