

Safety Data Sheet

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 Version: 2.0

 DLM-9116-A

	ostance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	
Product name	25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 5 UG/ML IN ETHANOL
Product code	: DLM-9116-A
1.2. Relevant identified uses of the sub	stance or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Professional use
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 safety	data sheet
Cambridge Isotope Laboratories, Inc.	
50 Frontage Road	
Andover, MA 01810 USA	
USA: 1-800-322-1174 Int: 1-978-749-8000	
cilsales@isotope.com www.isotope.com	
Emergency telephone number	
Emergency numbers:	
Chemtrec: 1-800-424-9300 (24 hours)	
International: 1-703-741-5970 (24 hours)	
SECTION 2: Hazards identification	
2.1. Classification of the substance or	mixture
Classification according to Regulation (EC)	No. 1272/2008 [CLP]
Flam. Liq. 2 H225	
Skin Irrit. 2 H315	
Eye Irrit. 2 H319	
STOT SE 3 H335	
Full text of hazard classes and H-statements : s	see section 16
Classification according to Directive 67/548/	EEC [DSD] or 1999/45/EC [DPD]
F; R11	
Xi; R36/37/38	
N; R51/53	
Full text of R-phrases: see section 16	

GHS-US classification

 Flam. Liq. 2
 H225

 Skin Irrit. 2
 H315

 Eye Irrit. 2A
 H319

 STOT SE 3
 H335

 Aquatic Acute 2
 H401

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Nerves, Liver, Heart.

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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



P405 - Store locked up.

P501 - Dispose of contents/container to Comply with applicable regulations

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2.3. **Other hazards**

PBT: not yet assessed

SECTION 3: Composition/Information on ingredients

3.1. **Substances**

Not applicable

3.2. Mixtures			
Name	Product identifier	%	Classification according to Directive 67/548/EEC
ETHANOL UNLABELED	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	99.99936	F; R11 Xi; R36/37/38
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%)	(CAS-No.) 140710-94-7 (EC-No.) 242-990-9	0.00064	T+; R26/27/28
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ETHANOL UNLABELED	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	99.99936	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%)	(CAS-No.) 140710-94-7 (EC-No.) 242-990-9	0.00064	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist), H330 STOT SE 1, H370
Name	Product identifier	%	GHS-US classification
ETHANOL UNLABELED	(CAS-No.) 64-17-5	99.99936	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%)	(CAS-No.) 140710-94-7	0.00064	Acute Tox. 2 (Oral), H300 Acute Tox. 2 (Dermal), H310 Acute Tox. 1 (Inhalation:dust,mist), H330 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	: If you feel unwell, seek medical advice (show the label where possible). Evacuate danger area	
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.	
First-aid measures after skin contact	Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Gently wash with plenty of soap and water, Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see Hazard pictograms (CLP) on this label).	
First-aid measures after eye contact	: Rinse cautiously with water for several minutes.	
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.	
4.2. Most important symptoms and effe	cts, both acute and delayed	
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause respiratory irritation. May cause respiratory irritation.	
Symptoms/effects after skin contact	: Causes skin irritation.	
Symptoms/effects after eye contact	: Causes serious eye irritation.	
Symptoms/effects after ingestion	: May be harmful if swallowed.	
4.3. Indication of any immediate medical attention and special treatment needed		
No additional information available		
SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media	: Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).	
5.2. Special hazards arising from the substance or mixture		
Fire hazard	: Highly flammable liquid and vapor.	
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Explosion hazard	: May form flammable/explosive vapor-air mixture.
Reactivity	: Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.
5.3. Advice for firefighters	
Firefighting instructions	: Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Wear recommended personal protective equipment.
Other information	: Use water spray to cool exposed surfaces.
SECTION 6: Accidental release me	easures
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
6.1.1. For non-emergency personnel	
Emergency procedures	: Use personal protective equipment as required. Avoid breathing vapors, mist, gas. Ensure adequate air ventilation. Evacuate unnecessary personnel. No flames, no sparks. Eliminate all sources of ignition. Provide adequate ventilation to minimize dust and/or vapor concentrations. Special attention should be given to low areas/pits where flammable vapors can accumulate.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Prevent entry to sewers and public waters. De	o not allow to enter drains or water courses. Avoid release to the environment.
6.3. Methods and material for contain	
For containment	Collect spillage. Clean up any spills as soon as possible, using an absorbent material to collect it. Vacuum with an equipment that avoids ignition risk. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal.
Methods for cleaning up	: 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	
Additional hazards when processed	 Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling	 Avoid breathing dust, mist or spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Use only non- sparking tools. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash Both hands thoroughly after handling.
7.2. Conditions for safe storage, inclu	uding any incompatibilities
Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.
Storage conditions	: Store in freezer (-20°C). Protect from light.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pe	rsonal protection
8.1. Control parameters	
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%	a) 5 UG/ML IN ETHANOL

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Italy - Portugal - USA ACGIH	Remark (ACGIH		
	, , , , ,		Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.
USA NIOSH	NIOSH REL (TWA) (mg/m³)		1900 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)		1000 ppm
USA NIOSH	Remark (NIOSH)		Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.
USA OSHA	OSHA PEL (TW)	A) (mg/m³)	1900 mg/m ³
USA OSHA	OSHA PEL (TW/	A) (ppm)	1000 ppm
USA OSHA	Remark (OSHA)		Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans. The value in mg/m3 is approximate.
ETHANOL UNLABELED (64-1	17-5)		
Italy - Portugal - USA ACGIH	ACGIH TWA (pp	om)	1000.00000000 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (p	pm)	1000 ppm
ltaly - Portugal - USA ACGIH	Remark (ACGIH)		Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.
USA NIOSH	NIOSH REL (TW	/A) (mg/m³)	1900 mg/m ³
USA NIOSH	NIOSH REL (TV	/A) (ppm)	1000 ppm
USA NIOSH	Remark (NIOSH)		Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.
USA OSHA	OSHA PEL (TW)	A) (mg/m³)	1900 mg/m ³
USA OSHA	OSHA PEL (TW/	A) (ppm)	1000 ppm
USA OSHA	Remark (OSHA)		Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans. The value in mg/m3 is approximate.
25-HYDROXYVITAMIN D3 (6,	19.19-D3.97%) 5	UG/ML IN ETHANOL	
DNEL/DMEL (Workers)	-,,-		
Acute - systemic effects, inhala	ation	1900 mg/m³	
Long-term - systemic effects, o	dermal	343 mg/kg bodyweight/day	
Long-term - systemic effects, i	inhalation	950 mg/m ³	
DNEL/DMEL (additional inform	nation)		
Additional information		DNEL - Workers - Ingestion - Long-term systemic effects - 343 mg/kg BW/d	
PNEC (Water)			
PNEC aqua (freshwater)		0.96 mg/l	
PNEC aqua (marine water)		0.79 mg/l	
PNEC (Sediment)			
PNEC sediment (freshwater)		3.6 mg/kg dwt	
PNEC (Soil)			
PNEC soil		0.63 mg/kg dwt	
PNEC (STP) PNEC sewage treatment plant		580 mg/l	
5 1		500 mg/i	
.2. Exposure controls		. Wooh handa and other our	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.



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Environmental exposure controls	: Avoid release to the environment.	
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Approved supplied air respirato	r.
Skin and body protection	: Wear suitable protective clothing, gloves and eye/face protection.	
Eye protection	: Wear eye protection. Chemical goggles or face shield with safety glasses.	
Hand protection	: Wear suitable protective clothing and gloves.	
Materials for protective clothing	: Wear suitable protective clothing and gloves.	

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9.1. Information on basic physical ar	d chemical properties
The properties listed below are for the solvent, the main co	
Physical state	: Liquid
Appearance	: Liquid. clear
Molecular mass	: 46.07 g/mol
Color	: Colorless
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: -114 °C (-173 °F)
Freezing point	: No data available
Boiling point	: 78 °C (172 °F)
Flash point	: 14 °C (57.2 °F) - closed cup
Auto-ignition temperature	: 363 °C (685.4 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapor
Vapor pressure	: 59.5 hPa (44.6 mmHg) at 20 °C (68 °F)
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 0.789 g/ml at 25 °C (77 °F)
Solubility	: Water: completely soluble
Log Pow	: -0.349 at 24 °C (75 °F)
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: 3.3 - 19 %
9.2. Other information	

SECTION 10: Stability and reactivity			
10.1. Reactivity			
Highly flammable liquid and vapor. May form flamm	Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.		
10.2. Chemical stability	Chemical stability		
See storage and expiration date on CoA.			
10.3. Possibility of hazardous reactions			
Hygroscopic.			
10.4. Conditions to avoid			
Heat. Open flame. Direct sunlight. Sparks.	Heat. Open flame. Direct sunlight. Sparks.		
10.5. Incompatible materials	. Incompatible materials		
Alkali metals. ammonia. Oxidizing agent. Peroxides.			
0.6. Hazardous decomposition products			
Carbon oxides (CO, CO2).			
SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Acute toxicity :	Not classified		
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 5 UG/ML IN ETHANOL			
LD50 oral rat	10470 mg/kg		
LD50 dermal rat	15800 mg/kg		
LC50 inhalation rat (mg/l)	30000 mg/l		
ATE CLP (oral) 10470.000 mg/kg body weight			

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25-HYDROXYVITAMIN D3 (6,19,19-D3,97%)	UG/ML IN ETHANOL
ATE CLP (dermal)	15800.000 mg/kg body weight
ATE CLP (vapors)	30000.000 mg/l/4h
ATE CLP (dust, mist)	30000.000 mg/l/4h
ETHANOL UNLABELED (64-17-5)	
LD50 oral rat	10470 mg/kg
LD50 dermal rat	15800 mg/kg
LC50 inhalation rat (mg/l)	30000 mg/l
ATE CLP (oral)	10470.000 mg/kg body weight
ATE CLP (dermal)	15800.000 mg/kg body weight
ATE CLP (vapors)	30000.000 mg/l/4h
ATE CLP (dust, mist)	30000.000 mg/l/4h
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) (140710-94-7)
LC50 inhalation rat (ppm)	130 - 380 ppm 4 h
ATE CLP (oral)	5.000 mg/kg body weight
ATE CLP (dermal)	5.000 mg/kg body weight
ATE CLP (dust, mist)	0.050 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
	Skin – Rabbit - No skin irritation (OECD 404 method)
Serious eye damage/irritation	: Causes serious eye irritation.
	Eyes – Rabbit - moderate eye irritation(OECD 404 method)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Carcinogenicity - Mouse - Oral Tumorigenic: Equivical tumorigenic agent by RTECS criteria. Liver: Tumors. Blood: Lymphomas including Hodgkin's disease.
Reproductive toxicity	: Reproductive toxicity. oral. human. female. Effects on Newborn: Other neonatal measures or effects.
	Reproductive toxicity Oral - human - female - Effects on Newborn: Apgar score (human only). Effects on Newborn: Drug dependence.
Specific target organ toxicity – single exposure	: May cause respiratory irritation.
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: CNS depression. Narcosis. Risk of serious damage. to. heart. 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. Stomach - Irregularities - Based on Human Evidence.
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause respiratory irritation. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.

SECTION 12: Ecological information 12.1. Toxicity The product is not considered harmful to aquatic organisms or to cause long-term adverse Ecology - general : effects in the environment.

25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 5 UG/ML IN ETHANOL		
LC50 fish 1	14200 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 Daphnia 1	5012 mg/l Ceriodaphnia dubia (Water flea) - 48 h	
EC50 other aquatic organisms 1	275 mg/l Chlorella vulgaris (Fresh water algae) - 72 h (OECD method 201)	
NOEC (acute)	9.6 mg/l Daphnia magna (Water flea) - 9 d	
ETHANOL UNLABELED (64-17-5)		
LC50 fish 1	14200 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 Daphnia 1	5012 mg/l Ceriodaphnia dubia (Water flea) - 48 h	
EC50 other aquatic organisms 1	275 mg/l Chlorella vulgaris (Fresh water algae) - 72 h (OECD method 201)	
NOEC (acute)	9.6 mg/l Daphnia magna (Water flea) - 9 d	

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12.2. Persistence and degradability	
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 5	5 UG/ML IN ETHANOL
Persistence and degradability	Readily biodegradable.
BOD (% of ThOD)	95 % ThOD
ETHANOL UNLABELED (64-17-5)	
Persistence and degradability	Readily biodegradable.
BOD (% of ThOD)	95 % ThOD
2.3. Bioaccumulative potential	
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 5	
Log Pow	-0.349 at 24 °C (75 °F)
Bioaccumulative potential	Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
ETHANOL UNLABELED (64-17-5)	
Log Pow	-0.349 at 24 °C (75 °F)
Bioaccumulative potential	Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
2.4. Mobility in soil	
2.5. Results of PBT and vPvB assessment	nt
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 5	5 UG/ML IN ETHANOL
PBT: not yet assessed	
ETHANOL UNLABELED (64-17-5)	
PBT: not yet assessed	
2.6. Other adverse effects	
lo additional information available	
SECTION 13: Disposal consideration) S
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3.1. Waste treatment methods	Weste metaziale should be discussed of under anoticizes which must Endered. Otate, and lead
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.
Additional information	: Handle empty containers with care because residual vapors are flammable.
cology - waste materials	: Dispose of as unused product.
SECTION 14: Transport information	
n accordance with ADR / RID / IMDG / IATA / Al	DN
4.1. UN number	
JN-No.(DOT)	: 1170
DOT NA no.	UN1170
4.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Ethanol solutions
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Class 3 - Flammable and combustible inquid 49 CFR 173.120
Packing group (DOT)	: II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	 24 - Alcoholic beverages containing more than 70 percent alcohol by volume must be transported as materials in Packing Group II. Alcoholic beverages containing more than 24 percent but not more than 70 percent alcohol by volume must be transported as materials in Packing Group III.

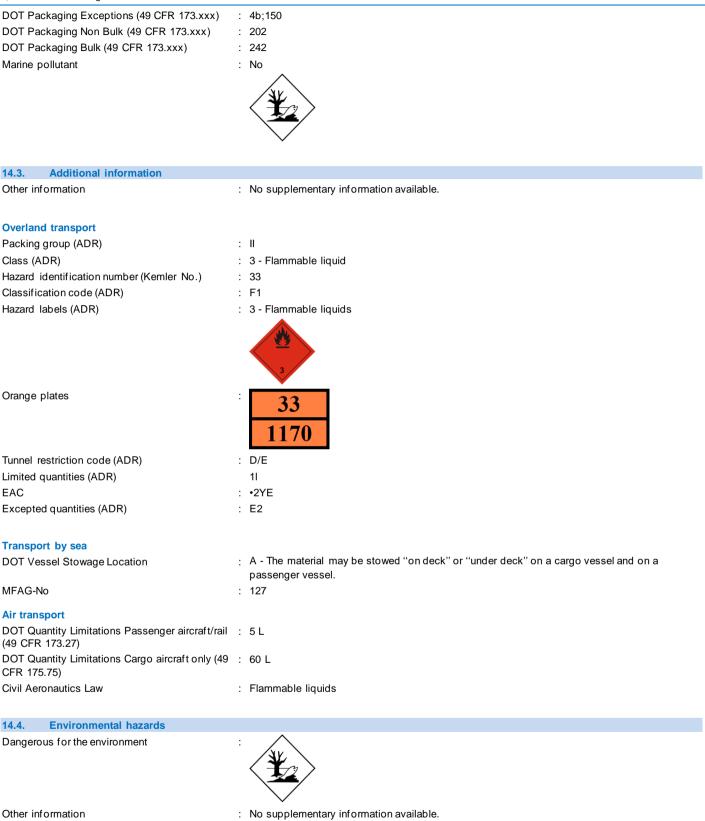
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97/1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

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14.5. Special precautions for user Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code 14.6.

Not applicable

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SECTION 15: Regulatory information			
15.1. US Federal regulations			
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%)	5 UG/ML IN ETHANOL		
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	Not subject to reporting requirements of the United States SARA Section 313		
ETHANOL UNLABELED (64-17-5)	ETHANOL UNLABELED (64-17-5)		
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	Not subject to reporting requirements of the United States SARA Section 313		
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) (140710-94-7)			
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 Delayed (chronic) health hazard		
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313		
15.2. International regulations			

CANADA

25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 5 UG/ML IN ETHANOL

Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

No additional information available

15.3. US State regulations

25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 5 UG/ML IN ETHANOL()				
U.S California - Proposition 65 - Carcinogens List	No			
U.S California - Proposition 65 - Developmental Toxicity	No			
U.S California - Proposition 65 - Reproductive Toxicity - Female	No			
U.S California - Proposition 65 - Reproductive Toxicity - Male	No			
State or local regulations	RTK - U.S Massachusetts - Right To Know List RTK - U.S Pennsylvania - RTK (Right to Know) List RTK - U.S New Jersey - Right to Know Hazardous Substance List			

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ETHANOL UNLABELED	(64-17-5)			
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	
25-HYDROXYVITAMIN	D3 (6,19,19-D3,97%) (140710-94	-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	
ETHANOL UNLABELED	(64-17-5)			
State or local regulation	IS			
	etts - Right To Know List a - RTK (Right to Know) List - Right to Know Hazardous Sub	stance List		

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ate or local regulations	
K - U.S Pennsylvania - RTK (Right to	Know) List
K - U.S New Jersey - Right to Know H	lazardous Substance List
ECTION 16: Other information	
ata sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
her 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 t corresponding unlabeled compound. None.
II text of R-, H- and EUH-phrases:	
Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
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 vapor
H300	Fatal if swallowed
H310	Fatal in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H330	Fatal if inhaled
H335	May cause respiratory irritation
H370	Causes damage to organs
R11	Highly flammable
R26/27/28	Very toxic by inhalation, in contact with skin and if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
F	Highly flammable
N	Dangerous for the environment
T+	Very toxic
Xi	Irritant
PA health hazard PA fire hazard PA reactivity	 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury. 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.

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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