

### VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/ML IN ETHANOL

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: 04/10/2019 Revision date: : Version: 1.0 DLM-10749-D

SECTION 1: Identification of the sub	ostance/mixture and of the company/undertaking		
1.1. Product identifier	ostance/mixture and of the company/undertaking		
Product form	: Mixtures		
Product name	<ul> <li>WITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/ML IN ETHANOL</li> </ul>		
Product code	: DLM-10749-D		
1.2. Relevant identified uses of the sub	stance or mixture and uses advised against		
1.2.1.Relevant identified usesMain use categoryIndustrial/Professional use spec	<ul><li>Professional use</li><li>For professional use only</li></ul>		
1.2.2.Uses advised againstNo 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 <u>cilsales@isotope.com</u> 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 : see section 16

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11 Xi; R36/37/38 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

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

Nerves. heart. liver. Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

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26, 2012 / Rules and Regulations 2.2. Label elements	
Labeling according to Regulation (EC) N Hazard pictograms (CLP)	
Signal word (CLP)	GHS02 GHS07 : Danger
Hazard statements (CLP)	<ul> <li>H225 - Highly flammable liquid and vapor</li> <li>H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> <li>H335 - May cause respiratory irritation</li> </ul>
Precautionary statements (CLP)	<ul> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P233 - Keep container tightly closed.</li> <li>P240 - Ground/bond container and receiving equipment.</li> <li>P241 - Use explosion-proof electrical, lighting, ventilating equipment</li> <li>P261 - Avoid breathing dust, fume, gas, mist, spray, vapors.</li> <li>P264 - Wash hands, forearms and face thoroughly after handling.</li> <li>P271 - Use only outdoors or in a well-ventilated area.</li> <li>P280 - Wear protective clothing, protective gloves.</li> </ul>
GHS-US labeling	
Hazard pictograms (GHS-US)	HS02 GHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	<ul> <li>H225 - Highly flammable liquid and vapor</li> <li>H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> <li>H335 - May cause respiratory irritation</li> </ul>
Precautionary statements (GHS-US)	<ul> <li>P210 - Keep away from heat, hot surfaces, open flames, sparks No smoking.</li> <li>P233 - Keep container tightly closed.</li> <li>P240 - Ground/Bond container and receiving equipment</li> <li>P241 - Use explosion-proof electrical, lighting, ventilating equipment</li> <li>P242 - Use only non-sparking tools.</li> <li>P243 - Take precautionary measures against static discharge.</li> <li>P261 - Avoid breathing dust, fume, gas, mist, spray, vapors.</li> <li>P264 - Wash hands, forearms and face thoroughly after handling.</li> <li>P271 - Use only outdoors or in a well-ventilated area.</li> <li>P280 - Wear protective clothing, protective gloves.</li> <li>P302+P352 - If on skin: Wash with plenty of water</li> <li>P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</li> </ul>

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
- P312 Call a doctor if you feel unwell

P321 - Specific treatment (see Hazardous component(s) for labeling on this label)

- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing and wash 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

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#### 2.3. Other hazards

#### PBT: not yet assessed

#### SECTION 3: Composition/Information on ingredients

3.1. Substances

### Not applicable

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	99.87	F; R11 Xi; R36/37/38
VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%)	(CAS-No.) 67-97-0 (Unlabeled) (EC-No.) 200-673-2 (Unlabeled) (EC Index-No.) 603-180-00-4 (Unlabeled)	0.13	T+; R26 T; R48/24/25
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	99.87	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%)	(CAS-No.) 67-97-0 (Unlabeled) (EC-No.) 200-673-2 (Unlabeled) (EC Index-No.) 603-180-00-4 (Unlabeled)	0.13	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 1 (Inhalation), H330 STOT RE 1, H372
Name	Product identifier	%	GHS-US classification
ETHANOL UNLABELED	(CAS-No.) 64-17-5	99.87	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%)	(CAS-No.) 67-97-0 (Unlabeled)	0.13	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 1 (Inhalation), H330 STOT RE 1, H372

#### 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.	
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		
<b>SECTION 5: Firefighting measures</b>		
5.1. Extinguishing media		
Suitable extinguishing media	: Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).	

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5.2 Special becards arising from the			
5.2. Special hazards arising from the substance or mixture Fire hazard Fire hazard Fire hazard Fire hazard Fire hazard			
Explosion hazard	: Highly flammable liquid and vapor. : 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	. Fisht fire with general processions from a processible distance. We are call contained by othing		
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.		
<b>SECTION 6: Accidental release me</b>	asures		
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. Do	o not allow to enter drains or water courses. Avoid release to the environment.		
6.3. Methods and material for contain	ment and cleaning up		
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 Other information	<ul><li>This material and its container must be disposed of in a safe way, and as per local legislation.</li><li>Dispose of materials or solid residues at an authorized site.</li></ul>		
6.4. Reference to other sections			
For further information refer to section 13.			
SECTION 7: Handling and storage			
7.1. Precautions for safe handling	Llandle empty containers with care because residual years are flowmable		
Additional hazards when processed Precautions for safe handling	<ul> <li>Handle empty containers with care because residual vapors are flammable.</li> <li>Avoid all eye and skin contact and do not breathe vapor and mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing vapors, spray, mist, gas, fume, dust. Use only outdoors or in a well-ventilated area.</li> </ul>		
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Wash hands, forearms and face thoroughly after handling.		
7.2. Conditions for safe storage, inclu	ding any incompatibilities		
Technical measures	: Keep container tightly closed in a cool, dry and well-ventilated place. Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof Hazard pictograms (CLP) equipment.		
Storage conditions	: Store in freezer (-20°C). Protect from light.		
Incompatible materials	: Heat sources.		
7.3. Specific end use(s)			
No additional information available			
SECTION 8: Exposure controls/pe	rsonal protection		
8.1. Control parameters			
	% (26,26,26,27,27,27-D6, 98%) 1 MG/ML IN ETHANOL		
Italy - Portugal - USA ACGIH ACGIH TWA			

Italy - Portugal - USA ACGIH ACGIH TWA (ppm)

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	EROL) CP 95% (26,26,26,27,27,27-D6, 98%	
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	1000 ppm
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	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 (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (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-	17-5)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	1000.00000000 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	1000 ppm
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
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 (TWA) (mg/m <sup>3</sup> )	1900 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
USA OSHA	Remark (OSHA)	Upper Respiratory Tract irritation. Confirmed animal

Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans. The value in mg/m3 is approximate.

VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/ML IN ETHANOL		
DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation	1900 mg/m³	
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	950 mg/m <sup>3</sup>	
DNEL/DMEL (additional information)		
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	
8.2. Exposure controls		
• · · · · · · ·		

: Wear suitable protective clothing and gloves.

Wear suitable protective clothing and gloves.

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.

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

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

Personal protective equipment

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

:

:

# VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/ML IN ETHANOL DLM-10749-D

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Respiratory protection	: In	n case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.
Environmental exposure controls	: A	woid release to the environment.

#### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and c	hemical properties		
The properties listed below are for the solvent, the main component of this mixture.			
Physical state	: Liquid		
Appearance	: Liquid. Clear		
Molecular mass	: 46.07 g/mol (Labeled)		
Color	: Colorless		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Melting point	: -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			

No additional information available

SECTI	DN 10: Stability and reactivity				
10.1.	Reactivity				
Highly fla	mmable liquid and vapor. May form flammable/explosive vapor-air mixture.				
10.2.	Chemical stability				
See stor	See storage and expiration date on CoA.				
10.3.	Possibility of hazardous reactions				
Hygrosc	Hygroscopic.				
10.4.	Conditions to avoid				
Heat. Open flame. Direct sunlight. Sparks.					
10.5.	Incompatible materials				
Alkali metals. Ammonia. Oxidizing agent. Peroxides.					
10.6.	Hazardous decomposition products				
Carbon oxides (CO, CO2).					
SECTI	DN 11: Toxicological information				
11.1.	Information on toxicological effects				
Acute to	icity : Not classified				

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VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/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		
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		
	26,26,26,27,27,27-D6, 98%) (67-97-0 (Unlabeled))		
ATE CLP (oral)	100.000 mg/kg body weight		
ATE CLP (dermal)	300.000 mg/kg body weight		
ATE CLP (gases)	10.000 ppmV/4h		
ATE CLP (vapors)	0.050 mg/l/4h		
ATE CLP (dust, mist)	0.005 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		
Skin corrosion/irritation	: Causes skin irritation.		
Serious eye damage/irritation	Rabbit No skin irritation (OECD 404 method) : 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.		
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.		
-			

#### 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.

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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	

12.2. Persistence and degradability			
VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/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		
12.3. Bioaccumulative potential			
VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/ML IN ETHANOL			
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.		
12.4. Mobility in soil			

No additional information available

#### 12.5. Results of PBT and vPvB assessment

VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/ML IN ETHANOL		
PBT: not yet assessed		
ETHANOL UNLABELED (64-17-5)		
PBT: not yet assessed		
12.6.	Other adverse effects	

No additional information available

SECTION 13: Disposal consideration	15
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.
Additional information	: Handle empty containers with care because residual vapors are flammable.
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)	: 1170
DOT NA no.	UN1170
14.2. UN proper shipping name	
Proper Shipping Name (DOT) Class (DOT)	: Ethanol : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

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: II - Medium Danger
3 : II - Medium Danger
-
-
<ul> <li>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.</li> <li>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.</li> <li>T4 - 2.65 178.274(d)(2) Normal</li></ul>
: 4b;150
: 202
: 242
: No
No supplementary information available.
3 - Flammable liquid
: 33
: F1 : 3 - Flammable liquids
33 1170
: D/E
11
-2YE
: E2
A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
: 127
: 5L
: 60 L
: Flammable liquids

98%) 1 MG/ML IN ETHANOL DLM-10749-D

#### 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

 14.4.
 Environmental hazards

 Other information
 : No supplementary information available.

 14.5.
 Special precautions for user

#### 14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory informatio	n
15.1. US Federal regulations	
VITAMIN D3 (CHOLECALCIFEROL) CP 95%	(26,26,26,27,27,27-D6, 98%) 1 MG/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
VITAMIN D3 (CHOLECALCIFEROL) CP 95%	9 (26,26,26,27,27,27-D6, 98%) <b>(67-97-0 (Unlabeled))</b>
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	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)	
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

#### 15.2. International regulations

#### CANADA

VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/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

VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/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		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		
VITAMIN D3 (CHOLECALC	FEROL) CP 95% (26,26,26,2	27,27,27-D6, 98%) <b>(67-97-0 (Un</b>	labeled))	
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	

98%) 1 MG/ML IN ETHANOL DLM-10749-D

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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	
VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) (67-97-0 (Unlabeled))				
State or local regulations				
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List				
ETHANOL UNLABELED (64-17-5)				
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				

#### 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. 1 (Inhalation)	Acute toxicity (inhalation) Category 1
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) 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 RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H301	Toxic if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H330	Fatal if inhaled
H335	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure
R11	Highly flammable
R26	Very toxic by inhalation
R36/37/38	Irritating to eyes, respiratory system and skin
R48/24/25	Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed
F	Highly flammable
Т	Toxic
T+	Very toxic
Xi	Irritant

#### NFPA health hazard

NFPA fire hazard

NFPA 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
  - 0 Material that in themselves are normally stable, even under fire conditions.



# VITAMIN D3 (CHOLECALCIFEROL) CP 95% (26,26,26,27,27,27-D6, 98%) 1 MG/ML IN ETHANOL DLM-10749-D

### 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

#### Hazard Rating

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability Physical

Health

- : 3 Serious Hazard
- : 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