

# 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: 26/08/2014 Revision date: 10/03/2017 Supersedes: 26/08/2014 Version: 1

DLM-9116-B

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

# 1.1. Product identifier

Product form : Mixtures

Product name : 25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 50 UG/ML IN ETHANOL

Product code : DLM-9116-B

#### 1.2. Relevant identified uses of the substance 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 <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 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

Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

Nerves, Liver, Heart.

10/03/2017 EN (English) 1/10

DI M-9116-F

# 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

#### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)





GHS02

-

Signal word (CLP) : Danger

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour

H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation

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 P261 - Avoid breathing dust, fume, gas, mist, spray, vapours P264 - Wash Both hands thoroughly after handling

P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective clothing, protective gloves

#### **GHS-US** labelling

Hazard pictograms (GHS-US)





GHS02

GHS07

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H225 - Highly flammable liquid and vapour

H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation

Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces, 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 P261 - Avoid breathing dust, gas, mist, spray, vapours, fume

P264 - Wash Both hands thoroughly after handling P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

P280 - Wear protective clothing, protective gloves P302+P352 - If on skin: Wash with plenty of water

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 - 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 Hazard pictograms (CLP) 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 Carbon dioxide, Dry chemical, Alcohol resistant foam, Water spray 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 Comply with applicable regulations

### 2.3. Other hazards

No additional information available

10/03/2017 EN (English) 2/10

DLM-9116-E

# 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

# **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

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	99.9937	F; R11 Xi; R36/37/38
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%)	(CAS No) 140710-94-7 (EC No) 242-990-9	0.0063	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	99.9937	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	0.0063	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	99.9937	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335

Full text of R- and H-statements: see section 16

# **SECTION 4: First aid measures**

# 4.1. Description of first aid measures

First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (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. If not

breathing, give artificial respiration. Call a POISON CENTER or doctor/physician if you feel

unwell.

First-aid measures after skin contact : Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.

Wash contaminated clothing before reuse. Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Harmful if inhaled. Respiratory tract irritation.

Symptoms/injuries after skin contact : Harmful in contact with skin. Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation. Symptoms/injuries 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: Fire-fighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

# 5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

Reactivity : Vapours may form flammable mixture with air.

# 5.3. Advice for firefighters

Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection.

10/03/2017 EN (English) 3/10

DLM-9116-E

# 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

Protection during firefighting

: Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

# **SECTION 6: Accidental release measures**

#### 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** 

: Avoid breathing vapours, mist, gas. Ensure adequate air ventilation. No flames, no sparks. Eliminate all sources of ignition. Evacuate unnecessary personnel. Special attention should be given to low areas/pits where flammable vapours can accumulate.

### 6.1.2. For emergency responders

Protective equipment

: Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment

: Clean up any spills as soon as possible, using an absorbent material to collect it. Collect spillage. This material and its container must be disposed of in a safe way, and as per local legislation.

Methods for cleaning up

: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Additional hazards when processed

: Handle empty containers with care because residual vapours are flammable. Avoid all eye and skin contact and do not breathe vapour and mist. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

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 vapour. No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.

Hygiene measures

: Wash Both hands thoroughly after handling.

# 7.2. Conditions for safe storage, including 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/personal protection**

#### 8.1. Control parameters

25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 50 UG/ML IN ETHANOL				
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	1000.00000000 ppm Upper Respiratory Tract irritation. Confirmed animal carcinogen.		
USA OSHA	OSHA PEL (TWA) (mg/m³)	1900 mg/m³		
ETHANOL UNLABELED (64-	ETHANOL UNLABELED (64-17-5)			
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	1000.00000000 ppm Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.		
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	1000 ppm Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.		
USA NIOSH	NIOSH REL (TWA) (mg/m³)	1900 mg/m³ Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.		

10/03/2017 EN (English) 4/10

DLM-9116-E

# 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

ETHANOL UNLABELED (64-17-5)		
USA NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.
USA OSHA	OSHA PEL (TWA) (mg/m³)	1900 mg/m³ The value in mg/m3 is approximate.
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
USA OSHA	Remark (OSHA)	Upper Respiratory Tract irritation. Confirmed animal carcinogen with unknown relevance to humans.

#### 8.2. Exposure controls

Skin and body protection

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus. Avoid all

unnecessary exposure.









Materials for protective clothing : Wear suitable protective clothing and gloves.

Hand protection : Wear suitable protective clothing and gloves.

Eye protection : Chemical goggles or face shield with safety glasses.

: Wear suitable protective clothing.

Respiratory protection : Wear appropriate mask.

Other information : Do not eat, drink or smoke during use.

# **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid : Liquid, clear. Appearance : 46.07 g/mol Molecular mass Colour : Colourless. Odour : characteristic. : No data available Odour threshold No data available pΗ Relative evaporation rate (butylacetate=1) : No data available Melting point : -114 °C (-173 °F) Freezing point : No data available Boiling point : 78.3 °C (172.9 °F)

Flash point : 14 °C (57.2 °F) - closed cup

 $\begin{array}{lll} \mbox{Auto-ignition temperature} & : & 363 \ ^{\circ}\mbox{C (685 }^{\circ}\mbox{F}) \\ \mbox{Decomposition temperature} & : & \mbox{No data available} \end{array}$ 

Flammability (solid, gas) : Highly flammable liquid and vapour

Vapour pressure : 59.5 hPa (44.6 mmHg) at 20.0 °C (68.0 °F)

Relative vapour density at 20 °C : No data available Relative density : No data available

Density : 0.789 g/ml at 25 °C (77 °F) Solubility : Water: Completely soluble : -0.349 at 24 °C (75 °F) Log Pow : No data available Log Kow Viscosity, kinematic : No data available : No data available Viscosity, dynamic Explosive properties : No data available Oxidising properties : No data available Explosive limits : 3.3 - 19 % (V)

#### 9.2. Other information

No additional information available

10/03/2017 EN (English) 5/10

DLM-9116-E

# 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

# SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Vapours may form flammable mixture with air.

### 10.2. Chemical stability

Stable if stored under recommended conditions.

### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Heat. Open flame. Sparks. Extremely high or low temperatures.

### 10.5. Incompatible materials

Alkali Metal Amides. Strong acids. Strong bases. Oxidizing agent. Peroxides. ammonia.

# 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

# **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Acute toxicity	: Not classified		
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 50 UG/ML IN ETHANOL			
LD50 oral rat	7060 mg/kg		
LC50 inhalation rat (ppm)	20000 ppm 10 h		
ATE CLP (oral)	7060.000 mg/kg bodyweight		
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 bodyweight		
ATE CLP (dermal)	15800.000 mg/kg bodyweight		
ATE CLP (vapours)	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 bodyweight		
ATE CLP (dermal)	5.000 mg/kg bodyweight		
ATE CLP (dust,mist)	0.050 mg/l/4h		
Skin corrosion/irritation	: Causes skin irritation.		
	Causes skin irritation		
Serious eye damage/irritation	: Causes serious eye irritation.		
Respiratory or skin sensitisation	: Not classified		
	Based on available data, the classification criteria are not met		
Germ cell mutagenicity	: Not classified		
	Based on available data, the classification criteria are not met		
Carcinogenicity	: Not classified		
	Based on available data, the classification criteria are not met		
Reproductive toxicity	: Not classified		
,	Based on available data, the classification criteria are not met		
STOT-single exposure	: May cause respiratory irritation.		
2 . 2	May cause respiratory irritation		
OTOT was a stad as we save			
STOT-repeated exposure	: Not classified		
	Based on available data, the classification criteria are not met		
Aspiration hazard	: Not classified		
	Based on available data, the classification criteria are not met		
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.		
Symptoms/injuries after inhalation	: Harmful if inhaled. Respiratory tract irritation.		

10/03/2017 EN (English) 6/10

DLM-9116-B

# 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

Symptoms/injuries after skin contact : Harmful in contact with skin. Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.
Symptoms/injuries after ingestion : May be harmful if swallowed.

# **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - water : Toxic to aquatic life with long lasting effects.

25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 50 UG/ML IN ETHANOL		
LC50 fish 1	13000 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h	
EC50 Daphnia 1	9.3 mg/l Daphnia magna (Water flea) - 48 h	
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 Test Guideline 201)	
NOEC (acute)	9.6 mg/l Daphnia magna (Water flea) - 9 d	

### 12.2. Persistence and degradability

25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 50 UG/ML IN ETHANOL		
Persistence and degradability	Not available.	
ETHANOL UNLABELED (64-17-5)		
Persistence and degradability	Not available.	
BOD (% of ThOD)	95 % ThOD Readily biodegradable	
25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) (140710-94-7)		
Persistence and degradability	Not available.	

### 12.3. Bioaccumulative potential

25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 50 UG/ML IN ETHANOL	
Log Pow	-0.349 at 24 °C (75 °F)
Bioaccumulative potential	Not available. Not established.

EI	HANOL	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.

# 25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) (140710-94-7)

Bioaccumulative potential Not available.

### 12.4. Mobility in soil

25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 50	UG/ML IN ETHANOL

Ecology - soil Not available.

# **ETHANOL UNLABELED (64-17-5)**

Ecology - soil Not available.

### 25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) (140710-94-7)

Ecology - soil Not available.

# 12.5. Results of PBT and vPvB assessment

No additional information available

# 12.6. Other adverse effects

Other adverse effects : Toxic to aquatic life with long lasting effects.

Other information : Avoid release to the environment.

#### **SECTION 13: Disposal considerations**

#### 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 vapours are flammable.

Ecology - waste materials : Dispose of as unused product.

10/03/2017 EN (English) 7/10

# 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

# **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

**UN** number 14.1.

UN-No.(DOT) : 1170 DOT NA no. UN1170

### **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 - Flammable liquid



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.

DOT Packaging Exceptions (49 CFR 173.xxx) : 4b;150 DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Bulk (49 CFR 173.xxx) : 242 Marine pollutant : No



#### 14.3. **Additional information**

Other information : No supplementary information available.

#### **Overland transport**

Packing group (ADR) : 11

Class (ADR) : 3 - Flammable liquid

Hazard identification number (Kemler No.) : 33 Classification code (ADR)

Danger labels (ADR) : 3 - Flammable liquids



Orange plates

: D/E Tunnel restriction code (ADR) Limited quantities (ADR) 11 : •2YE EAC code Excepted quantities (ADR) : E2

10/03/2017 EN (English) 8/10

DLM-9116-E

# 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

Transport by sea

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel.

MFAG-No : 127

Air transport

DOT Quantity Limitations Passenger aircraft/rail : 5 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

Dangerous for the environment

¥2>

Other information : No supplementary information available.

14.5. Special precautions for user

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

Not applicable

# **SECTION 15: Regulatory information**

# 15.1. US Federal regulations

25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 50 UG/ML IN ETHANOL	
Not subject to reporting requirements of the United States SARA Section 302	
Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard	
Not subject to reporting requirements of the United States SARA Section 313	

# ETHANOL UNLABELED (64-17-5)

ETHANOL GREADELED (04-11-5)	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

#### 15.2. International regulations

#### **CANADA**

# 25-HYDROXYVITAMIN D3 (6,19,19-D3,97%) 50 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%) 50 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	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			

### ETHANOL UNLABELED (64-17-5)

U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity -	Reproductive Toxicity -	ļ.
		Female	Male	ļ.

10/03/2017 EN (English) 9/10

DLM-9116-E

# 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

ETHANOL UNLABELED (64-17-5)					
No	No	No	No		

### **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

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

### **SECTION 16: Other information**

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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. None.

#### Full text of R-, H- and EUH-statements:

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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, Respiratory tract irritation	
H225	Highly flammable liquid and vapour	
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 environmen	
F	Highly flammable	
N	Dangerous for the environment	
T+	Very toxic	
Xi	Irritant	

NFPA health hazard

: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

NFPA reactivity

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



#### **HMIS III Rating**

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 3 Serious Hazard
Physical : 0 Minimal Hazard

#### CIL Multi-Solvent 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

10/03/2017 EN (English) 10/10