

CANNABIVARIN (CBV) (97% CHEMICAL PURITY) (METHYL-D3, 98%) 100 UG/ML IN METHANOL

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: 30/03/2021 Revision date: 24/05/2021 Supersedes: 30/03/2021 Version: 2.0 DLM-10915-S

SECTION 1: Identif	ication of the subst	ance/mixture and of the company/undertaking
1.1. Product ident		
Product form		Mixtures
Product name		CANNABIVARIN (CBV) (97% CHEMICAL PURITY) (METHYL-D3, 98%) 100 UG/ML IN METHANOL
Product code	:	DLM-10915-S
1.2. Relevant iden	tified uses of the substar	nce or mixture and uses advised against
1.2.1. Relevant iden	tified uses	
Main use category	:	Professional use
Industrial/Professional us	se spec :	For professional use only
1.2.2. Uses advised	against	
No additional information	available	
1.3. Details of the	supplier of the safety dat	a sheet
Cambridge Isotope Labo 50 Frontage Road Andover, MA 01810 USA		
USA: 1-800-322-1174 cilsales@isotope.com	www.isotope.com	
	lephone number	
Emergency numbers:		
Chemtrec: 1-800-424-93 International: 1-703-741		
SECTION 2: Hazar	ds identification	
2.1. Classification	of the substance or mixt	ure
Classification accordin	g to Regulation (EC) No.	1272/2008 [CLP]
Flam. Liq. 2	H225	
Acute Tox. 3 (Oral)	H301	
Acute Tox. 3 (Dermal)	H311	
Acute Tox. 3 (Inhalation)	H331	
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
STOT SE 1	H370	
Full text of hazard classe	s and H-statements : see s	section 16
Classification accordin	g to Directive 67/548/EEC	[DSD] or 1999/45/EC [DPD]
F; R11 T; R39/23/24/25 Xi; R36/38	-	
Full text of R-phrases: se	e section 16	
GHS-US classification		
Flam. Liq. 2 Acute Tox, 3 (Oral)	H225 H301	

 Flam. Liq. 2
 H225

 Acute Tox. 3 (Oral)
 H301

 Acute Tox. 3 (Dermal)
 H311

 Acute Tox. 3 (Inhalation)
 H331

 Skin Irrit. 2
 H315

 Eye Irrit. 2
 H319

 STOT SE 1
 H370

Full text of H statements : see section 16

100 UG/ML IN METHANOL DLM-10915-S

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)	
Hazardous ingredients Hazard statements (CLP)	: 100% METHANOL UNLABELED
nazaru statements (CLF)	 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 (kidneys, liver, heart, eyes, central nervous system) (if inhaled, if swallowed, in contact with skin)
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)	
	GHS02 GHS08 GHS06
Signal word (GHS-US)	: 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 contac lenses, if present and easy to do. Continue rinsing
24/05/2021	EN (English US) 2/13

100 UG/ML IN METHANOL DLM-10915-S

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

P307+	P311 - If exposed: Call a poison center/doctor
D244	Call a destar a DOISON CENTED

- 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
- 32 **Mixtures**

3.2. WIXTURES			
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	99.987	F; R11 T; R39/23/24/25 Xi; R36/38
CANNABIVARIN (CBV) (METHYL-D3, 98%) (97% CHEMICAL PURITY)	(CAS-No.) 33745-21-0 (Unlabeled) (EC Index-No.)	0.013	Not classified
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	99.987	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
CANNABIVARIN (CBV) (METHYL-D3, 98%) (97% CHEMICAL PURITY)	(CAS-No.) 33745-21-0 (Unlabeled) (EC Index-No.)	0.013	Not classified
Name	Product identifier	%	GHS-US classification
100% METHANOL UNLABELED	(CAS-No.) 67-56-1	99.987	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
CANNABIVARIN (CBV) (METHYL-D3, 98%) (97% CHEMICAL PURITY)	(CAS-No.) 33745-21-0 (Unlabeled)	0.013	Not classified

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.
24/05/2024	EN (English LP) 2//2

100 UG/ML IN METHANOL DLM-10915-S

Safety Data Sheet

26, 2012 / Rules and Regulations	
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if 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	effects, 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.
4.3. Indication of any immediate me	dical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measure	es
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	e substance 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.
SECTION 6: Accidental release m	neasures
6.1. Personal precautions, protectiv	e equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Wear respiratory protection. Do not breathe dust, mist, gas, spray, vapors, fume. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Remove all sources of ignition. No open flames, no sparks, and no smoking. Ensure adequate air ventilation. 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. I	Do not allow to enter drains or water courses. Avoid release to the environment.
6.3. Methods and material for contain	inment 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 logislation
Other information	legislation. : 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 storag	e
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.

100 UG/ML IN METHANOL DLM-10915-S

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

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, includin	ig 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	

SECTION 8: Exposure controls/personal protection

3.1. Control parameters		
CANNABIVARIN (CBV) (97%	CHEMICAL PURITY) (METHYL-D3, 98%) 10	0 UG/ML 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/m³)	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)
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		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

100 UG/ML IN METHANOL DLM-10915-S

Safety Data Sheet

USA NIOSH USA NIOSH	NIOSH REL (TV	VA) (ppm)	200 ppm Basis: NIOSH Recommended Exposure
USA NIOSH	NIOSH REL (TWA) (ppm)		Limits
	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	l)	Potential for dermal absorption.
USA OSHA	OSHA PEL (TWA) (mg/m ³)		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 (STI	EL) (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 Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (Cei	ling) (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.
CANNABIVARIN (CBV) (97%		ITY) (METHYL-D3, 98%) 100 UG/ML I	IN METHANOL
DNEL/DMEL (Workers)			
Acute - systemic effects, derm	nal	40 mg/kg bodyweight/day	
Acute - systemic effects, inhal		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, dern		260 mg/cm ²	
Long-term - local effects, inha		260 mg/m ³	
DNEL/DMEL (General popula		200 mg, m	
Acute - systemic effects, derm		8 mg/kg body weight	
Acute - systemic effects, inhal		50 mg/m ³	
Acute - systemic effects, oral		8 mg/kg body weight	
Acute - local effects, inhalation	 ר	50 mg/m ³	
Long-term - systemic effects,c		8 mg/kg bodyweight/day	
• •		50 mg/m ³	
Long-term - systemic effects, inhalation		8 mg/kg bodyweight/day	
Long-term - systemic effects, dermal Long-term - local effects, inhalation		50 mg/m ³	
PNEC (Water)		g,	
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 plan	t	100 mg/kg	
2. Exposure controls		· · · ·	
opropriate engineering control	\$	· Wash hands and other exposed are	as with mild soap and water before eating, drinking or

CANNABIVARIN (CBV) (97% CHEMICAL PURITY) (METHYL-D3, 98%) **100 UG/ML IN METHANOL**

DLM-10915-S

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

Personal protective equipment

Materials for protective clothing

Skin and body protection

Respiratory protection

Hand protection Eye protection

: Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.

:	Wear suitable protective clothing and gloves.
:	Wear suitable protective clothing and gloves.
	Wear eve protection. Chemical googles or face shield with safety

- : Wear eye protection. Chemical goggles or face shield with safety glasses.
- : Wear suitable protective clothing, gloves and eye/face protection.
- : In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.
- Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties 9.1. The properties listed below are for the solvent, the main component of this mixture.

The properties listed below are for the solvent, the main compo	onent of this mixture.
Physical state	: Liquid
Appearance	: Liquid
Molecular mass	: 32.04 g/mol
Color	: Colorless
Odor	: Pungent
Odor threshold	: No data available
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: -98 °C (-144 °F)
Freezing point	: No data available
Boiling point	: 64.7 °C (148.5 °F)
Flash point	: 9.7 °C (49.5 °F) - closed cup
Auto-ignition temperature	: 455 °C (851 °F) at 1,013 hPa (760 mmHg)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: 130.3 hPa (97.7 mmHg) at 20 °C (68 °F); 169.27 hPa (126.96 mmHg) at 25 °C (77 °F)
Vapor pressure at 50 °C	: 546.6 hPa (410 mmHg) at 50 °C (122 °F)
Relative vapor density at 20 °C	: 1.11
Relative density	: No data available
Specific gravity / density	: 0.791 g/ml at 25 °C (77 °F)
Solubility	: Water: Completely miscible
Log Pow	: -0.77
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidizing properties	: Non oxidizing material according to EC criteria.
Explosion limits	: 6 - 36 % (V)
9.2 Other information	

Other information 9.2.

No additional information available

SECTION 10: Stability and reactivity 10.1. Reactivity

Vapors may form flammable mixture with air. Highly flammable liquid and vapor.

10.2. **Chemical stability**

See storage and expiration date on CoA.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

100 UG/ML IN METHANOL DLM-10915-S

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

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Acid anhydrides. Acid chlorides. Oxidizing agent. Alkali Metal Amides. Reducing agents. Acids.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled.

CANNABIVARIN (CBV) (97% CHEMICAL PURITY) (METHYL-D3, 98%) 100 UG/ML 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.			
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			
Specific target organ toxicity – repeated exposure	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.			
Aspiration hazard	: Not classified			
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	: 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.			

100 UG/ML IN METHANOL DLM-10915-S

Safety Data Sheet

6, 2012 / Rules and Regulations	· · · · · · · · · · · · · · · · · · ·	
SECTION 12: Ecological informatio	n	
12.1. Toxicity		
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.	
CANNABIVARIN (CBV) (97% CHEMICAL P	URITY) (METHYL-D3, 98%) 100 UG/ML 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	
12.2. Persistence and degradability		
	URITY) (METHYL-D3, 98%) 100 UG/ML 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	
12.3. Bioaccumulative potential		
CANNABIVARIN (CBV) (97% CHEMICAL P	URITY) (METHYL-D3, 98%) 100 UG/ML 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	
12.4. Mobility in soil		
CANNABIVARIN (CBV) (97% CHEMICAL P	URITY) (METHYL-D3, 98%) 100 UG/ML IN METHANOL	
Ecology - soil	Not degradable in the soil.	
100% METHANOL UNLABELED (67-56-1)		
Ecology - soil	Not degradable in the soil.	
0,		
	URITY) (METHYL-D3, 98%) 100 UG/ML IN METHANOL	
PBT: not relevant – no registration required		
100% METHANOL UNLABELED (67-56-1)		
PBT: not relevant – no registration required		
12.6. Other adverse effects		
Other adverse effects	: Avoid release to the environment.	
Other information	: Stability in water: at 19 °C - (83 - 91%) - 72 h. Remarks: Hydrolyses on contact with water. Hydrolyses readily.	
SECTION 13: Disposal consideration	ons	
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.
	environmental control regulations.

100 UG/ML IN METHANOL DLM-10915-S

Safety Data Sheet

Ecology - water materials : Depose of as unused product. SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN Hon-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / ADN HON-COOTON with ADR / RID / IMDG / IATA / IATA HON-COOTON with ADR / RID / IMDG / IATA / IATA HON-COOTON with ADR / RID / IMDG / IATA / IATA / IMDG / IMDG / IATA / IAT	26, 2012 / Rules and Regulations	
In accordance with ADP (RD / MDG / IATA / ADN IASI UN number UNNo.(DOT) : 1223 DOT NA no. UN1233 DOT NA no. UN1233 Class (DOT) : 104 proper shipping name Proper Shipping Name (DOT) : 104 proper shipping name, hazard class, and packing group. I - Proper Shipping Name (DOT) : 2 - Class 3 - Remmable and combustble liquid 49 CFR 173.120 Hazard labels (DOT) : 2 - Class 3 - Bernmable iquid 8.1 - Proor Proper Shipping Name (DOT) : 104 proper shipping name, hazard class, and packing group. I - Proper shipping name appropriate for international and domestic transportation E II - Medium Danger DOT Symbols : 1 - Fossi (cannot be altered) proper shipping name, hazard class, and packing group. I - Proper shipping name appropriate for international and domestic transportation E III - Medium Danger DOT Special Provisions (48 CFR 172.102) E IB2 - Authorized IBCs: Matei (A13.318 and 31N); Rigid plastics (31H and 31H2); Corrosola T - AT 8.274 (d)(D) formation	Ecology - waste materials	: Dispose of as unused product.
14.1. UN number UN-No. (DOT) : 1230 DOT Na no. UN1230 14.2. UN proper shipping name Proper Shipping Name (DOT) : Melhanol Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 Hazard labels (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 Hazard labels (DOT) : 4 - Fixes (channot be allored) proper shipping name, hazard class, and packing group.1 - Proper shipping name proprinter for international and domescile transportation Pasking group (DOT) : 1 - Medium Danger DOT Symbols : + - Fixes (channot be allored) proper shipping name, hazard class, and packing group.1 - Proper shipping name operative for international and domescile transportation Pasking group (DOT) : 1 - Medium Danger DOT Symbols : + - Fixes (channot be allored) style at 50 (21 bar 150 ard 150 ar	SECTION 14: Transport information	
UNN (DOT) DOT NA no. I: 420 UN1230 4.2. UM proper shipping name Proper Shipping Name (DOT) Proper Shipping Name (DOT) : Methanol Class (DOT) : 9 - Class 3 - Rammable and combustible liquid 49 CFR 173.120 Hazard labels (DOT) : 9 - Class 3 - Rammable and combustible liquid 6.1 - Potore DOT Symbols : • - Fries (cannot be altered) proper shipping name, hazard class, and packing group, I - Proper shipping name, bazard class, and packing group, I - Proper shipping name, bazard class, and packing group, I - Proper shipping name expropriate for international and domestic transportation DOT Symbols : • - Fries (cannot be altered) proper shipping name, hazard class, and packing group, I - Proper shipping name expropriate for international and domestic transportation DOT Special Provisions (49 CFR 172.102) : E - Autorizzed (21 A) 18 and 31N); Rigd plastics (31H and 31H2); Composite (01HZ). Additional Replacement: Only liquids with a vapor pressure less than or equal to 10 to 10 to 21 A 21 A 224 (21 A) 10 metal. DOT Packaging Exceptions (49 CFR 173.xxx) : 202 DOT Packaging Non Bulk (49 CFR 173.xxx) : 203 DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Non Bulk (49 CFR 1	In accordance with ADR / RID / IMDG / IATA / A	DN
DOT NA no. UN1230 14.2 UN proper shipping name Proper Shipping Name (DOT) : Methanol Class (DOT) : 3 - Class 3 - Flammable liquid Lass (DOT) : 3 - Class 3 - Flammable liquid Lass (DOT) : 3 - Class 3 - Flammable liquid DOT Symbols : + - Frikes (cannot be altered) proper shipping name, hazard class, and packing group. I - Proper shipping name, paragrad domestic transportation Packing group (DOT) : I - Medun Daarget DOT Symbols : - + - Frikes (cannot be altered) proper shipping name, hazard class, and packing group. I - Proper shipping name, paragrad domestic transportation Packing group (DOT) : I - Medun Daarget DOT Symbols : - + - Frikes (cannot be altered) proper shipping name, hazard class, and packing group. I - Proper shipping name, paragrad, and yoon pressure less than or equal to 110 Methan 155 C (1.1 bar at 122). Addinamation Requirement To My liquid with any steps pressure less than or equal to 110 Methan 155 C (1.1 bar at 122). To Motional Requirement To My liquid with any step set (1.1 bar at 122). Composite (1.1 bar at 120). Motional Information DOT Packaging Exceptions (49 CFR 173.xxx) : 202 DOT Packaging Exceptions (49 CFR 173.xxx) : 202 DOT Packaging Buk (49 CFR 173.xxx) : 202 DOT Packaging Buk (49 CFR 173.xxx) : 203 DOT Packaging Buk (49 CFR 173.xxx) : 204 <	14.1. UN number	
14.1 UN proper shipping name Proper Shipping Name (DOT) : Herhanol Class (DOT) : 2 - Class 3 - Flammable induid Hazard labels (DOT) : 3 - Flammable induid OT Symbols • • Firms (cannot be altered) proper shipping name, hazard class, and packing group.1 - Proper shipping name appropriate for international and donestic transportation. Packing group (DOT) :: • • Firms (cannot be altered) proper shipping name, hazard class, and packing group.1 - Proper shipping name appropriate for international and donestic transportation. POT Special Provisions (49 CFR 172.102) :: IB2 - Authorizant IBCs: Metal (21A, 31B and 31N; Right plastics classon), if an original is 110 (4Pa at 50 C (1, 1) bar at 122 P, or 130 (4Pa at 55 C (1, 3) bar at 131 P) are authorized. DOT Special Provisions (49 CFR 172.102) :: IB2 - Authorizant IBCs: Metal (21A, 31B and 31N; Right plastics classon), if a field is 01 (1) 4Pa at 50 C (1, 2) korrani	UN-No.(DOT)	: 1230
Proget Shipping Name (DOT) I: Methanol Class (DOT) I: S - Class 3 - Flammable inquid Rezard labels (DOT) I: S - Class 3 - Flammable inquid Bottom S I: Protocin Packing group (DOT) I: I: Netsion be altered) proper shipping name, hazard class, and packing group.1 - Proper shipping name appropriate for international and domestic transportation Packing group (DOT) I: I: Netsion BC: Methanol BC: Metal (21A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPA at 50 C (11 be ar 12 F) are authorized. TO T Special Provisions (49 CFR 172.102) I: BC: - Authorized BC: Metal (21A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPA at 50 C (11 be ar 12 F) are authorized. T7 - 4 TR 2.74 (I)(2) Normal	DOT NA no.	UN1230
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 Hazard labels (DOT) : 3 - Flammable liquid DOT Symbols : + - Fixes (cannot be altered) proper shipping name, hazard class, and packing group.1 - Proper shipping name appropriate for international and donestic transportation Packing group (DOT) : 1 - Noicon DOT Symbols : + - Fixes (cannot be altered) proper shipping name, hazard class, and packing group.1 - Proper shipping name appropriate for international and donestic transportation Packing group (DOT) : 10 - Modum Danger DOT Special Provisions (49 CFR 172.102) : 10 - Modum Danger ID - Class (2007) : 10 - Modum Danger DOT Special Provisions (49 CFR 172.102) : 10 - Modum Danger DOT Packaging Exceptions (49 CFR 173.xxx) : 120 DOT Packaging Exceptions (49 CFR 173.xxx) : 120 DOT Packaging Buck (49 CFR 173.xxx) : 202 DOT Packaging Buck (49 CFR 173.xxx) : 236 Orange plates : 131 Other information : 336 Tunnel restriction code (ADR) : 121 Limited quantilies (ADR) : 122 Limited quantilies (ADR) : 122 Limited quantilies (ADR) : 1236 DOT Packaging Buck	14.2. UN proper shipping name	
Hazard labels (DOT) 3 - Flammable liquid 6.1 - Poison 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 Synchols : # - Fixes (cannot be altered) proper shipping name, hazard class, and packing group, I - Proper shipping name appropriate for international and domestic transportation DOT Special Provisions (49 CFR 172.102) III - Medium Danger Biz - Authorized IBC:: Medi (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H2), Additional Requirement: Ohy liquids with a vapor prosure less than or equal to 110 kPa at 50 (C1 kb ar at 12F) for 30 kPa at 55 (C1 kb ar at 13F) F are authorized. Tr - 4 176.274(d)(2) Normali	Proper Shipping Name (DOT)	: Methanol
6.1 - Poison • • 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) III - Medium Danger III - Medium and type of the international and domestic (antipactive during transportation) • • • • • • • • • • • • • • •	Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) II - Medium Danger DOT Special Provisions (49 CFR 172.102) IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H 1 and 31H2); Composite (31H21). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 12F) or a roub Mathematical and domestic transportation. VP at 50 C (1.1 bar at 12F) or a roub Mathematical and Structure of the liquid burne at 50 C (1.3 bar at 13F) or a reubinorized. T7 - 4 178.2740(0)(3) TP 2 - a. The maximum degree of filing was not exceed the degree of filing determined by the following (image) Where: It is the maximum mean buik temperature during transport, if is the temperature of the liquid burne filing. and a is the mean coefficient of cubical expansion of the liquid burne ambient conditions may be calculated using the formula: (image) Where: It is the dersities (10 hold in gives celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transport in (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (10 boln in degree celsius b. For liquids transportation (12 boln in degree celsis at be mean combin (12 boln in degree celsius b. For linguids tr	Hazard labels (DOT)	6.1 - Poison
DOT Special Provisions (49 CFR 172.102) IB2 - Authorized IBCs: Metal (31A, 31B and 31H); Rigid plastics (31H1 and 31H2); Composite (31H21). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 132 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4178.274(d)(2) Mormal	DOT Symbols	
(31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 55 C (1.1 bar at 127 p, or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal		: II - Medium Danger
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Bulk (49 CFR 173.xxx) : 242 14.3 Additional information Emergency Response Guide (ERG) Number : 131 Other information : No supplementary information available. Overland transport Hazard identification number (Kemler No.) Hazard identification number (Kemler No.) : 336 Orange plates : 336 Tunnel restriction code (ADR) : D/E Limited quantities (ADR) : 1 Excepted quantities (ADR) : E2 Transport by sea : DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"	DOT Special Provisions (49 CFR 172.102)	 (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 Bulk (49 CFR 173.xxx) : 242 14.3. Additional information Emergency Response Guide (ERG) Number : 131 Other information : No supplementary information available. Overland transport : 336 Hazard identification number (Kemler No.) : 336 Orange plates : 336 Tunnel restriction code (ADR) : D/E Limited quantities (ADR) : D/E Excepted quantities (ADR) : E2 Transport by sea : DOT Vessel Stowage Location : B - (I) The material may be stowed 'on deck" or 'under deck' on a cargo vessel and on a passenger vessels in which the number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) 'On deck only' on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"	DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
14.3. Additional information Emergency Response Guide (ERG) Number : 131 Other information : No supplementary information available. Overland transport Hazard identification number (Kemler No.) : 336 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 : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"	DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
Emergency Response Guide (ERG) Number : 131 Other information : No supplementary information available. Overland transport	DOT Packaging Bulk (49 CFR 173.xxx)	: 242
Other information : No supplementary information available. Overland transport Hazard identification number (Kemler No.) : 336 Orange plates : 336 Tunnel restriction code (ADR) : D/E Limited quantities (ADR) : D/E Excepted quantities (ADR) : E2 Transport by sea : E3 DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel is in which the number of passengers limited to not more than the larger of 25 passenger vessel is in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"	14.3. Additional information	
Overland transport Hazard identification number (Kemler No.) : 336 Orange plates : 336 Tunnel restriction code (ADR) : D/E Limited quantities (ADR) : 1 Excepted quantities (ADR) : E2 Transport by sea DOT Vessel Stowage Location DOT Vessel Stowage Other : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passenger vessel in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.	Emergency Response Guide (ERG) Number	: 131
Hazard identification number (Kemler No.) : 336 Orange plates : 336 Drunnel restriction code (ADR) : D/E Limited quantities (ADR) : D/E Excepted quantities (ADR) : E2 Transport by sea : E2 DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"	Other information	: No supplementary information available.
Orange plates 336 1230 1230 Tunnel restriction code (ADR) : D/E Limited quantities (ADR) : D/E Excepted quantities (ADR) : E2 Transport by sea DOT Vessel Stowage Location DOT Vessel Stowage Other : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"	Overland transport	
3.36 12.30 Tunnel restriction code (ADR) : D/E Limited quantities (ADR) 11 Excepted quantities (ADR) : E2 Transport by sea DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"	Hazard identification number (Kemler No.)	: 336
Limited quantities (ADR) 11 Excepted quantities (ADR) : E2 Transport by sea	Orange plates	
Excepted quantities (ADR) : E2 Transport by sea	Tunnel restriction code (ADR)	: D/E
Transport by sea DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"	Limited quantities (ADR)	11
DOT Vessel Stowage Location: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.DOT Vessel Stowage Other: 40 - Stow "clear of living quarters"	Excepted quantities (ADR)	: E2
DOT Vessel Stowage Location: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.DOT Vessel Stowage Other: 40 - Stow "clear of living quarters"	Transport by sea	
		passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this
MFAG-No : 131	DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
	MFAG-No	: 131

100 UG/ML IN METHANOL DLM-10915-S

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

Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
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

SECTION 15: Regulatory informatior		
15.1. US Federal regulations		
CANNABIVARIN (CBV) (97% CHEMICAL PUR	RITY) (METHYL-D3, 98%) 100 UG/ML IN METHANOL	
Listed on the United States TSCA (Toxic Subst	ances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard	
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313	
100% METHANOL UNLABELED (67-56-1)		
Listed on the United States TSCA (Toxic Subst	ances Control Act) inventory	
CERCLA RQ	5000 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard	
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313	
CANNABIVARIN (CBV) (METHYL-D3, 98%) (97% CHEMICAL PURITY) (33745-21-0 (Unlabeled))		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	

15.2. International regulations

CANADA

 CANNABIVARIN (CBV) (97% CHEMICAL PURITY) (METHYL-D3, 98%) 100 UG/ML 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

CANNABIVARIN (CBV) (97% CHEMICAL PURITY) (METHYL-D3, 98%) 100 UG/ML IN METHANOL()	
U.S California - Proposition 65 - Carcinogens List	No
U.S California - Proposition 65 - Developmental Toxicity	Yes
U.S California - Proposition 65 - Reproductive Toxicity - Female	No
U.S California - Proposition 65 - Reproductive Toxicity - Male	No

100 UG/ML IN METHANOL DLM-10915-S

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

CANNABIVARIN (CBV) (97		FHYL-D3, 98%) 100 UG/ML IN		
State or local regulations		U.S Delaware - Pollutant Disc U.S Idaho - Non-Carcinogeniu U.S Massachusetts - Right To U.S Pennsylvania - RTK (Rig U.S New Jersey - Right to Kn U.S New York - Reporting of	c Toxic Air Pollutants - Accep o Know List ht to Know) List ow Hazardous Substance Lis	table Ambient Concentrations
100% METHANOL UNLAB	ELED (67-56-1)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	No	No	
CANNABIVARIN (CBV) (M	ETHYL-D3, 98%) (97% CHEM	/ICAL PURITY) (33745-21-0 (U	nlabeled))	
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	
100% METHANOL UNLAB	ELED (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				
CANNABIVARIN (CBV) (METHYL-D3, 98%) (97% CHEMICAL PURITY) (33745-21-0 (Unlabeled))				
State or local regulations				
U.S Pennsylvania - RTK (U.S New Jersey - Right to	Right to Know) List 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:

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Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 3 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
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
H331	Toxic if inhaled
H370	Causes damage to organs
R11	Highly flammable
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
F	Highly flammable
Т	Toxic
Xi	Irritant
·	•

100 UG/ML IN METHANOL DLM-10915-S

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

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

CIL Mixture SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product