

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RC0639128

Certificate of Analysis

Sample:KN40514001-003

Harvest/Lot ID: 3628

Batch#: 3628

Batch Date: 05/06/24

Sample Size Received: 120 gram

Ordered : 05/09/24

Sampled : 05/09/24

Completed: 05/23/24

PASSED

Page 1 of 5

May 23, 2024 | Stirling CBD
LLC

2500 Regency Parkway
Suite 283, Cary, NC 27518

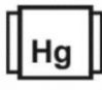
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.



Potency

PASSED



Total CBD
0.4998%



Total Cannabinoids
0.4998%

	CBDVA	CBDV	CBDA	CBGA	CBG	CBD	D9-THCV	D8-THCV	CBN	D9-THC	D8-THC	D10-THC	CBC	THCA	THCV
%	ND	<0.01	ND	ND	ND	0.4998	ND	ND	ND	ND	ND	ND	ND	ND	ND
mg/g	ND	<0.1	ND	ND	ND	4.998	ND	ND	ND	ND	ND	ND	ND	ND	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 2657 Weight: 0.2101g Extraction date: 05/14/24 14:07:50 Extracted by: 2657,2990

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN Expanded Measurement of Uncertainty: Flower Matrix d9-THC: ± 0.100, THCA: ± 0.124, TOTAL THC ± 0.112. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.

Analytical Batch : KN004794POT

Instrument Used : E-SHI-008

Running on : N/A

Reviewed On : 05/15/24 15:19:55

Batch Date : 05/13/24 16:55:09

Dilution : N/A

Reagent : 121823.02; 022824.02; 013024.R15; 050224.R08; 050324.R03; 021224.06

Consumables : 301011028; 22/04/01; 230905; B9291.135; 201123-058; 231201-059-A; 1008702218; EE154-US; 947.100; GD220016; 0000257576; H110738-34; 6121219; n/a; B061541305; B096761495

Pipette : E-GIL-011; E-GIL-013; E-VWR-120

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). All cannabinoids have an LOQ of 0.01%.

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Darren Converse
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

DC
Signature

05/23/24

Signed On

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PASSED

Stirling CBD LLC

2500 Regency Parkway
Suite 283, Cary, NC 27518
Telephone: (800) 201-2840
Email: info@stirlingcbdoid.com

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.012	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.006	ppm	3	PASS	<0.05
ACEPHATE	0.008	ppm	3	PASS	ND	PRALLETHRIN	0.008	ppm	0.4	PASS	ND
ACEQUINOXYL	0.038	ppm	2	PASS	ND	PROPICONAZOLE	0.007	ppm	1	PASS	ND
ACETAMIPRID	0.009	ppm	3	PASS	ND	PROPOXUR	0.008	ppm	0.1	PASS	ND
ALDICARB	0.009	ppm	0.1	PASS	ND	PYRETHRINS	0.002	ppm	1	PASS	ND
AZOXYSTROBIN	0.013	ppm	3	PASS	ND	PYRIDABEN	0.007	ppm	3	PASS	ND
BIFENAZATE	0.028	ppm	3	PASS	ND	SPINETORAM	0.004	ppm	3	PASS	ND
BIFENTHRIN	0.047	ppm	0.5	PASS	ND	SPIROMESIFEN	0.009	ppm	3	PASS	ND
BOSCALID	0.007	ppm	3	PASS	ND	SPIROTETRAMAT	0.009	ppm	3	PASS	ND
CARBARYL	0.015	ppm	0.5	PASS	ND	THIAMETHOXAM	0.006	ppm	0.1	PASS	ND
CARBOFURAN	0.008	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.009	ppm	1	PASS	ND
CHLORANTRILIPROLE	0.012	ppm	1	PASS	ND	THIACLOPRID	0.008	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.008	ppm	3	PASS	ND	THIAMETHOXAM	0.009	ppm	1	PASS	ND
CHLORPYRIFOS	0.014	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.009	ppm	3	PASS	ND
CLOFENTEZINE	0.006	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.009	ppm	3	PASS	ND
COUMAPHOS	0.009	ppm	0.1	PASS	<0.05						
CYPERMETHRIN	0.01	ppm	1	PASS	ND						
DAMINOZIDE	0.006	ppm	0.1	PASS	ND						
DIAZANON	0.006	ppm	0.2	PASS	ND						
DICHLORVOS	0.014	ppm	0.1	PASS	ND						
DIMETHOATE	0.009	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.009	ppm	3	PASS	ND						
ETHOPROPHOS	0.007	ppm	0.1	PASS	ND						
ETOFENPROX	0.009	ppm	0.1	PASS	ND						
ETOXAZOLE	0.007	ppm	1.5	PASS	ND						
FENHEXAMID	0.005	ppm	3	PASS	ND						
FENOXYCARB	0.007	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.006	ppm	2	PASS	ND						
FIPRONIL	0.008	ppm	0.1	PASS	ND						
FLONICAMID	0.014	ppm	2	PASS	ND						
FLUDIOXONIL	0.011	ppm	3	PASS	ND						
HEXYTHIAZOX	0.009	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.005	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.009	ppm	2	PASS	ND						
METALAXYL	0.008	ppm	3	PASS	ND						
METHIOCARB	0.008	ppm	0.1	PASS	ND						
METHOMYL	0.009	ppm	0.1	PASS	ND						
MEVINPHOS	0.001	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.006	ppm	3	PASS	ND						
NALED	0.023	ppm	0.5	PASS	ND						
OXAMYL	0.009	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.007	ppm	0.1	PASS	ND						
PERMETHRINS	0.008	ppm	1	PASS	ND						
PHOSMET	0.009	ppm	0.2	PASS	ND						

Analyzed by: 2803 **Weight:** 1.0055g **Extraction date:** 05/15/24 12:40:57 **Extracted by:** 2803
Analysis Method: SOP.T.30.101.TN, SOP.T.40.101.TN
Analytical Batch: KN004800PES
Instrument Used: E-SH-125 **Reviewed On:** 05/15/24 13:19:11
Running on: N/A **Batch Date:** 05/15/24 12:32:09
Dilution: N/A
Reagent: 100422.01; 032024.R01; 021324.R01; 013024.R02; 122023.02; 012624.05; 022724.R36; 022724.R35; 022724.R32
Consumables: 301011028; 264830; 230905; 3254282; B9291.135; 01422036; 251760; 230713634D; 1008702218; 1350331; H110738-34; 230315
Pipette: E-EPP-080; E-EPP-081; E-EPP-082; E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119
 Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry.
 *Based on FL action limits.

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Darren Converse
Lab Director
State License # n/a
ISO Accreditation # 17025:2017

DC
Signature

05/23/24

Signed On

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RC0639128

Stirling Mag Balm N/A
Matrix: Infused Product

Certificate of Analysis

PASSED

Stirling CBD LLC

2500 Regency Parkway
Suite 283, Cary, NC 27518
Telephone: (800) 201-2840
Email: info@stirlingcbdoil.com

Sample : KN40514001-003
Harvest/Lot ID: 3628
Batch# : 3628
Sampled : 05/09/24
Ordered : 05/09/24

Sample Size Received : 120 gram
Completed : 05/23/24 Expires: 05/23/25

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	100	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	100	ppm	5000	PASS	ND
METHANOL	20	ppm	250	PASS	ND
PENTANES (N-PENTANE)	32	ppm	750	PASS	ND
ETHANOL	100	ppm	5000	PASS	ND
ETHYL ETHER	10	ppm	500	PASS	ND
ACETONE	40	ppm	750	PASS	ND
2-PROPANOL	25	ppm	500	PASS	ND
ACETONITRILE	20	ppm	60	PASS	ND
DICHLOROMETHANE	2	ppm	125	PASS	ND
N-HEXANE	10	ppm	250	PASS	ND
ETHYL ACETATE	11	ppm	400	PASS	ND
CHLOROFORM	0.04	ppm	2	PASS	ND
BENZENE	0.03	ppm	1	PASS	ND
1,2-DICHLOROETHANE	0.05	ppm	2	PASS	ND
HEPTANE	53	ppm	5000	PASS	ND
TRICHLOROETHYLENE	0.5	ppm	25	PASS	ND
TOLUENE	5	ppm	150	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	150	PASS	ND

Analyzed by: 2803	Weight: NA	Extraction date: N/A	Extracted by: N/A
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Analysis Method : SOP.T.40.041.TN	Reviewed On : 05/23/24 11:44:33
Analytical Batch : KN00480550L	Batch Date : 05/22/24 16:46:53
Instrument Used : E-SHI-106	
Running on : N/A	

Dilution : N/A
Reagent : N/A
Consumables : N/A
Pipette : N/A

Residual solvents analysis is performed using Gas Chromatography / Mass Spectrometry. *Based on FL action limits.

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State License # n/a
ISO Accreditation # 17025:2017

DC
Signature

05/23/24

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DEA Number: RC0639128

Certificate of Analysis

PASSED

Stirling CBD LLC

2500 Regency Parkway
Suite 283, Cary, NC 27518
Telephone: (800) 201-2840
Email: info@stirlingcbdoid.com

Sample : KN40514001-003
Harvest/Lot ID: 3628
Batch# : 3628
Sampled : 05/09/24
Ordered : 05/09/24

Sample Size Received : 120 gram
Completed : 05/23/24 Expires: 05/23/25

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	Microbial	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN G2	0.0016	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN G1	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		AFLATOXIN B2	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN B1	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS		OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02

Analyzed by: 2837 Weight: 1.0226g Extraction date: 05/14/24 11:16:37 Extracted by: 2837

Analysis Method : SOP.T.40.056C, SOP.T.40.041
Analytical Batch : KN004793MIC Reviewed On : 05/15/24 14:16:05
Instrument Used : E-HEW-069 Batch Date : 05/13/24 10:08:46
Running on : N/A

Dilution : N/A
Reagent : N/A
Consumables : N/A
Pipette : N/A

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. With an LOD of 1cfu, if a pathogenic E Coli, Salmonella, A fumigatus, A flavus, A niger, or A terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Analyzed by: 2803 Weight: 1.0055g Extraction date: 05/15/24 12:40:57 Extracted by: 2803

Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN
Analytical Batch : KN004801MYC Reviewed On : 05/15/24 13:33:47
Instrument Used : E-SHI-125 Batch Date : 05/15/24 12:52:27
Running on : N/A

Dilution : N/A
Reagent : 100422.01; 032024.R01; 021324.R01; 013024.R02; 122023.02; 012624.05; 022724.R36; 022724.R35; 022724.R32
Consumables : 301011028; 264830; 230905; 3254282; B9291.135; 01422036; 251760; 230713634D; 1008702218; 1350331; H110738-34; 230315
Pipette : E-EPP-080; E-EPP-081; E-EPP-082; E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119

Aflatoxins B1, B2, G1, G2, and Ochratoxins Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.

	Heavy Metals	PASSED
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Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	1.5
CADMIUM-CD	0.02	ppm	ND	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	ND	PASS	0.5

Analyzed by: 2837 Weight: 0.2599g Extraction date: 05/14/24 15:51:50 Extracted by: 2990

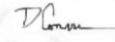
Analysis Method : SOP.T.30.082, SOP.T.40.082.TN
Analytical Batch : KN004798HEA Reviewed On : 05/15/24 11:45:25
Instrument Used : E-AGI-084 Batch Date : 05/14/24 14:53:19
Running on : N/A

Dilution : N/A
Reagent : 042424.R05; 061523.R01; 081723.R03; 020824.R01; 030124.01; 110323.05; 030724.R01; 020624.R04; 010424.R01; 040124.R05; 030624.R04
Consumables : GD220016; H110738-34; 6121219; n/a; 9402070; 826C6-826; 221200; A260422A; A30701833
Pipette : N/A

Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations. LOQ is 0.04 ppm for all metals. *Based on FL action limits.

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	Filth/Foreign Material	PASSED
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Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	%	ND	PASS	5
Analyzed by: 3050	Weight: 1.2114g	Extraction date: 05/18/24 10:37:51		Extracted by: 3050	
Analysis Method : SOP.T.40.090		Reviewed On : 05/18/24 10:39:56			
Analytical Batch : KN004792FIL		Batch Date : 05/13/24 10:07:13			
Instrument Used : E-AMS-138					
Running on : N/A					
Dilution : N/A					
Reagent : N/A					
Consumables : N/A					
Pipette : N/A					

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is used for inspection.



Magnesium Balm 2500mg CBD

Issue Date 01/07/2025
Revision Date 01/07/2025

Ref. 20250107

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Magnesium Balm 2500mg CBD
Product Use	Personal Care
Restrictions for use	See Section 16
Manufacturer/Supplier	Stirling Oils 2500 Regency Parkway Suite 283 Cary, NC 27518 USA
Product Information	800-201-2840 X2
Product Ingredients	Coconut Oil, Magnesium Chloride, Purified Water, Beeswax, Jojoba Oil, Castor Oil, Aloe Vera Juice, Shea Butter, Hemp Seed Oil, Emulsifying Wax, Pure CBD Isolate, Arnica, Citric Acid & Essential Oils (Peppermint, Clove, Cinnamon, Eucalyptus, Lemon, Rosemary, Orange, Frankincense & Myrrh)
Product formula	2500mg CBD

SECTION 2. HAZARDS IDENTIFICATION

Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

Others Hazards

No applicable data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain components that require disclosure according to OSHA Communication Standard 2012.

SECTION 4. FIRST AID MEASURES

General advice	No applicable data available
Inhalation	No hazards which require special first aid measures.
Skin contact	No hazards which require special first aid measures.
Eye contact	Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Ingestion	No hazards which require special first aid measures.
Most important symptoms/ effects, acute & delayed	No applicable data available.
Protection of first-aiders	No applicable data available.
Notes to physician	No applicable data available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Water, Foam, Dry Chemical, Carbon Dioxide (CO2)
Unsuitable extinguishing Media	No applicable data available.
Specific hazards	Exposure to decomposition products may be hazardous. to health.
Special protective	Standard approved fire fighting equipment. No additional breathing apparatus or protective required.
Further information	Evacuate personnel to safe areas. Evacuate personnel and keep upwind of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel)	No applicable data available.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Spill clean-up	Contain spillage, sweep up and transfer to a container for disposal according to local/national regulations (see section 13).
Accidental release measure	No applicable data available.

SECTION 7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Handling (Personnel)	No special precautions are needed in handling this material
Handling (Physical Aspects)	No applicable data available.
Dust explosion class	No applicable data available.
Storage	Store in a cool, dry place. Keep container closed to prevent contamination. Protect from exposure to light.
Storage period	No applicable data available.
Storage temperature Maximum temperature	No applicable data available. 30° C (86° F)

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	Ensure adequate ventilation, especially in confined areas.
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Personal protective equipment

Respiratory	A respiratory program that meets country requirements protection must be followed whenever workplace conditions warrant respirator use. Consult the OSHA respiratory protection information located at 29CFR 1910.134.
Eye protection	No safety glasses with side shields needed.

Skin and body No skin/body protection needed.

Exposure Guidelines This product does not contain any exposure limits that exposure limit values require disclosure according to OSHA Hazard Communication Standard 2012.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Physical state	Liquid
Form	Cream
Color	Off-White
Odor	No applicable data available
Odor threshold	No applicable data available.
pH	No applicable data available
Melting point/ Freezing point	No applicable data available
Boiling point	No applicable data available
Flash point	No applicable data available
Evaporation rate	No applicable data available.
Flammability (solid/gas)	No applicable data available.
Upper explosion limit	No applicable data available.
Lower explosion limit	No applicable data available
Vapor pressure	No applicable data available
Vapor density	No applicable data available.
Specific gravity (relative density)	No applicable data available.

SAFETY DATA SHEET

Magnesium Balm 2500mg CBD

Water solubility	No applicable data available.
Solubility(ies)	No applicable data available.
Partition coefficient: n-octanol/water	No applicable data available.
Auto-ignition temperature	No applicable data available..
Decomposition temperature	No applicable data available.C
Viscosity, kinematic	No applicable data available.
Viscosity, dynamic	No applicable data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No applicable data available.
Chemical stability	Stable at normal temperatures and storage conditions.
Possibility of hazardous	Hazardous polymerization will not occur.
Conditions to avoid	No applicable data available
Incompatible materials	Strong acids and oxidizing agents.
Hazardous decomposition products	No decomposition if stored normally.

SECTION 11. TOXICOLOGICAL INFORMATION

ZEMEA Propanediol

Further information No data is available on the product itself.

Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information

No data is available on the product itself.

SECTION 13. DISPOSAL CONSIDERATIONSWaste disposal methods-
Product

Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations

Contaminated packaging

No applicable data available.

SECTION 14. TRANSPORT INFORMATION

Not regulated in transportation by DOT/IMO/IATA
Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

TSAC

On the inventory, or in compliance with the inventory

SARA 311/312 Hazard classification

No SARA Hazards

SARA 313 Regulated Chemical(s)

This material does not contain any chemical compounds with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

California Prop. 65

This product does not contain any substances requiring a warning under the Safe Drinking Water and Toxic Enforcement Act.

SECTION 16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. This information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty of quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.