



## Certificate of Analysis

### Vanilla CO2 Dilution

#### PRODUCT IDENTIFICATION AND COMPOSITION

**Product Name:** Vanilla CO2 3% in Jojoba Oil  
**Batch Number:** 4403617  
**Best Before Date:** July 2022

#### PHYSICAL AND CHEMICAL PROPERTIES

Test	Specification	Result
Appearance:	Pale yellow to light brown liquid	Conforms
Odour:	Characteristic	Conforms
Specific Gravity @ 25°C:	0.850-0.870	Conforms
Refractive Index @ 25°C:	1.460-1.486	Conforms
Solubility in Water:	Insoluble	Conforms

#### STORAGE CONDITIONS

Store in full, original, tightly closed container in a cool place, away from heat and direct sunlight.  
To limit oxidation the contents of the container should all be used once opened. Otherwise the container should be tightly closed each time it is opened, and the oil re-tested before use.



## MATERIAL SAFETY DATA SHEET

### 1. COMPANY DETAILS

**1.1 Company:** MADAR Corporation Ltd  
**1.2 Address:** 19-20 Sandleheath industrial Estate, Fordingbridge, Hampshire, SP6 1PA  
**1.3 Telephone Number:** 01425 655555  
**1.4 Email:** sales@madarcorporation.co.uk  
**1.5 Approved Sellers:** Cosmetic Bases, Mystic Moments, New Directions, World of Moulds

### 2. PRODUCT IDENTIFICATION AND COMPOSITION

**2.1 Product Name:** Vanilla CO2 3% Dilution  
**2.2 Botanical Name:** *Vanilla Planifolia*  
**2.3 Product Code:** EODVANICO2  
**2.4 USA INCI Name:** Not applicable  
**2.5 EU INCI Name:** Not applicable

#### 2.6 Ingredients:

Component Entity	CAS Number	EINECS Number	Proportions [%w/w]
Jjoba Vegetable Oil	61789-91-1	Not allocated	97.0%
Vanilla CO2 Oil	84650-63-5	Not allocated	3.0%

**2.7 Uses:** Fragrance Ingredient.  
Skin care preparations, miscellaneous; Moisturising preparations; Cleansing products [Cold creams, cleansing lotions, liquids and pads]; Baby lotions, oils, powders and creams; Bath oils, tablets, and salts; Paste masks [Mud packs].



## MATERIAL SAFETY DATA SHEET

### 3. HAZARD IDENTIFICATION

#### 3.1 Physical - Chemical Hazards

<b>Explosion:</b>	None identified.
<b>Flammable:</b>	Combustible liquid, produces oxides of carbon when burning.
<b>Oxidizing:</b>	Not applicable.
<b>Toxic:</b>	None identified.
<b>Radioactive:</b>	Not applicable.
<b>Corrosive:</b>	None identified.
<b>Miscellaneous:</b>	None identified.

**3.2 Environmental Hazards:** None identified.

#### 3.3 Health Hazards

<b>Acute Effects:</b>	<b>Swallowed:</b>	Non-toxic, However excessive ingestion of liquid can cause gastric distress and mild diarrhoea.
	<b>Eye:</b>	May cause mild irritation.
	<b>Skin:</b>	Non-toxic. There have been no reported incidences, or other evidence of allergy or dermal irritation through topical application in 15+ years of use.
	<b>Inhalation:</b>	May be harmful.
<b>Chronic Effects:</b>		None identified.
<b>Mutagenic Effects:</b>		None identified.
<b>Reproductive Effects:</b>		None identified.
<b>Carcinogenic Effects:</b>		None identified.
<b>Sensitisation:</b>		None identified.
<b>Infectious:</b>		Not applicable.

### 4. FIRST AID

<b>4.1 Eye Contact:</b>	Flush immediately with clean water for at least 15 minutes. Ensure irrigation under eyelids. Do not try to remove contact lenses unless trained. Contact a physician as necessary.
<b>4.2 Skin Contact:</b>	Remove any contaminated clothing and footwear. Clean before re-use. Wash affected areas thoroughly with soap and water for at least 15 minutes. Contact a physician as necessary.
<b>4.3 Inhalation:</b>	Remove from the exposure to fresh air. If breathing has stopped, administer artificial respiration and oxygen if available. Contact a physician as necessary.
<b>4.4 Ingestion:</b>	Do Not induce vomiting. Wash out mouth with water and give water slowly to dilute [as much as casualty can comfortably drink] provided person is conscious. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconsciousness. Contact a physician or local poison control centre immediately. If vomiting occurs, lean patient forward or place on left side [head-down position, if possible] to maintain open airway and prevent aspiration.
<b>4.5 Contact Point:</b>	Poisons Information Centre
<b>4.6 Advice to Doctor:</b>	Treat symptomatically. Note the nature of this product.



## MATERIAL SAFETY DATA SHEET

### 5. FIRE FIGHTING MEASURES

<b>5.1 Extinguishing Media:</b>	Carbon Dioxide; Dry Chemical; Universal-Type Foam.
<b>5.2 Unsuitable Extinguishing Media:</b>	Water Spray; Others not established.
<b>5.3 Unusual Firefighting Hazards:</b>	None identified.
<b>5.4 Special Procedures:</b>	Determine the need to evacuate or isolate the area according to your local emergency plan.
<b>5.5 Protective Equipment:</b>	Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.
<b>5.6 Combustion Products:</b>	Oxides of carbon.
<b>5.7 Contact Point:</b>	Dial Local Emergency Authority.

### 6. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal Precautions:</b>	Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.
<b>6.2 Safety Precautions:</b>	Eliminate ALL ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan;
<b>6.3 Environmental Precautions:</b>	Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.
<b>6.4 Methods For Cleaning Up:</b>	Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent. Refer also to Section 13. for disposal procedures.

### 7. SAFE HANDLING AND STORAGE INFORMATION

<b>7.1 Handling:</b>	Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.
<b>7.2 Storage:</b>	Not a hazardous material. Not a Scheduled Poison. Containers should be kept closed in order to minimise contamination. Store in a cool, dry, well ventilated place protected from light. Refrigeration storage recommended. Keep from extreme heat and away from ALL sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid", Refer to Section 10.
<b>7.3 Unsuitable Packaging Materials:</b>	None established.
<b>7.4 Special Procedures:</b>	None established.



## MATERIAL SAFETY DATA SHEET

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION	
8.1 Respiratory Protection:	None generally required. Use NIOSH approved respirator in confined areas or if ventilation is inadequate.
8.2 Ventilation Protection:	Ensure adequate ventilation to keep exposure levels to a minimum. General exhaust is recommended.
8.3 Eye Protection:	Using goggles or face shield is recommended.
8.4 Protective Gloves:	Using chemical resistant gloves is recommended.
8.5 Protective Clothing:	Using chemical resistant clothing is recommended.
8.6 Protective Equipment:	An eyewash fountain and / or safety shower should be available in the work area.
8.7 Special Engineering Controls:	None established.
8.8 Other Personal Protection:	Consult local Standards for general advice regarding safety clothing and equipment: Respiratory Equipment, Protective Gloves, Industrial Clothing, Industrial Eye Protection, Occupational Protective Footwear.
8.9 Note:	These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES	
TEST	SPECIFICATION
9.1 Appearance:	Pale yellow to light brown liquid
9.2 Odour:	Characteristic sweet vanilla aroma
Odour Threshold:	Not available.
9.3 Specific Gravity:	0.850 to 0.870 @ 25°C
9.4 Refractive Index:	1.4600 to 1.4860 @ 25°C
9.5 Optical Rotation:	Not available.
9.6 pH:	Not available.
9.7 Solubility:	Soluble in vegetable oils
9.8 Solubility in Water:	Insoluble
9.9 Flash Point:	Not available.
9.10 Flammability Limits [as % v/v in Air]	
Lower Explosion Limit:	Not available.
Upper Explosion Limit:	Not available.
9.11 Autoignition Temperature:	Not available.
9.12 Melting Point:	Not available.
9.13 Boiling Point:	Not available.
9.14 Vapour Pressure:	Not available.
9.15 Vapour Density:	Not available.

9.16 ECHA Listed Sensitisers & IFRA Notifiable Substances					
CONSTITUENT	IFRA	ECHA	CAS Number	EINECS Number	RANGE
Vanillin:	NO	NO	121-33-5	204-465-2	0.45% to 0.50%

9.16 ECHA Listed Sensitisers & IFRA Notifiable Substances					
CONSTITUENT	IFRA	ECHA	CAS Number	EINECS Number	RANGE
Contains No Sensitisers	NO	NO	Not allocated	Not allocated	0.0%
and No Notifiable Substances	NO	NO	Not allocated	Not allocated	0.0%



## MATERIAL SAFETY DATA SHEET

### 10. STABILITY AND REACTIVITY

<b>10.1 Stability:</b>	Chemically stable, non hazardous material. This material presents no significant reactivity hazard.
<b>10.2 Conditions to Avoid:</b>	None established.
<b>10.3 Materials to Avoid:</b>	Strong acids, strong alkalis and oxidizing agents.
<b>10.4 Flammability:</b>	Combustible liquid.
<b>10.5 Hazardous Polymerization:</b>	Will not occur.
<b>10.6 Hazardous Combustion or Decomposition Products:</b>	Carbon monoxide and unidentified organic compounds may be formed during combustion.

### 11. TOXICOLOGICAL INFORMATION

<b>11.1 Acute Toxicity</b>	
<b>LD50 [Oral]:</b>	Not tested on animals – So not available.
<b>LD50 [Dermal]:</b>	Not tested on animals – So not available.
<b>LC50 [Inhalation]:</b>	Not tested on animals – So not available.
<b>11.2 Exposure Limits</b>	There is a blanket recommendation of 10 mg/m <sup>3</sup> for inspirable dusts or mists when limits have not otherwise been established.
<b>OSHA TWA:</b>	None established.
<b>OSHA STEL:</b>	None established.
<b>ACGIH TWA:</b>	None established.
<b>ACGIH STEL:</b>	None established.
<b>NOHSC TWA:</b>	None established.
<b>NOHSC STEL:</b>	None established.
<b>11.3 Short Term Toxicity:</b>	Not available.
<b>11.4 Long Term Toxicity:</b>	Not available.
<b>11.5 Human Exposure Tests:</b>	Not available.

### 12. ECOLOGICAL INFORMATION

<b>12.1 Eco-toxicity:</b>	None established. Avoid pollution to soil, rivers and the ocean.
<b>12.2 Mobility:</b>	Low mobility in the soil.
<b>12.3 Persistence &amp; Degradability:</b>	Low persistence level and readily biodegradable.
<b>12.4 Bio-accumulative Potential:</b>	None established.
<b>12.5 Other Adverse Effects:</b>	None established.

### 13. DISPOSAL CONSIDERATION

<b>13.1 Waste Material:</b>	Place material and / or absorbent into sealed containers and dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
<b>13.2 Contaminated Packaging:</b>	Dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.
<b>13.3 Note:</b>	Empty containers can have residues, gases and mists. Use the proper Waste Disposal Methods & Procedures for Empties as well.



## MATERIAL SAFETY DATA SHEET

### 14. TRANSPORT INFORMATION

<b>14.1 Transportation:</b>	Not Dangerous Goods. No special transport required. Not to be transported with Classes 1 [Explosives], 2.1 [Flammable Gases] [nb this applies only when in bulk], 2.3 [Poisonous Gases], 4.2 [Spontaneously Combustible Substances], 5.1 [Oxidising Agents], 5.2 [Organic Peroxides], 7 [Radioactive Substances].
<b>14.2 Proper Shipping Name:</b>	Not Regulated.
<b>14.3 UN Number:</b>	Not allocated.
<b>14.4 Packaging Group:</b>	Not allocated.
<b>14.5 DG Class:</b>	Not allocated.
<b>14.6 Poison Schedule:</b>	Not Scheduled.
<b>14.7 Hazchem Code:</b>	Not allocated.

14.8 Maritime Transportation IMDG	14.9 Air Transportation ICAO-TI and IATA-DGR
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<b>IMDG Class:</b>	Not allocated.	<b>ICAO / IATA Class:</b>	Not allocated.
<b>Label:</b>	Not allocated.	<b>Label:</b>	Not allocated.
<b>UN Number:</b>	Not allocated.	<b>UN Number:</b>	Not allocated.
<b>Packaging Group:</b>	Not allocated.	<b>Packaging Group:</b>	Not allocated.
<b>EMS Number:</b>	Not allocated.		
<b>Marine Pollutant:</b>	Not Regulated.		
<b>Proper Shipping Name:</b>	Not Regulated.	<b>Proper Shipping Name:</b>	Not Regulated.

### 15. REGULATORY INFORMATION

<b>15.1 Risk Symbols:</b>	Not allocated.
<b>15.2 Risk Phrases:</b>	Not allocated.
<b>15.3 Safety Phrases:</b>	Not allocated.
<b>15.4 Warning Statements:</b>	Not allocated.
<b>15.5 Safety Directions:</b>	Not allocated.
<b>15.6 Standard Statements:</b>	Not allocated.