### **CERTIFICATE OF ANALYSIS**

#### PRODUCT NAME: JUNIPERBERRY, ESSENTIAL OIL ORGANIC

BATCH NUMBER: 4524701

PRODUCT INCI: JUNIPERUS COMMUNIS FRUIT OIL

CAS NUMBER: 8002-68-4 / 73049-62-4 / 84603-69-0

EINECS NUMBER: 283-268-3

MANUFACTURING METHOD: STEAM DISTILLED

B<sub>EST</sub> B<sub>EFORE</sub> D<sub>ATE</sub>: November 2026

ANALYTICAL DETAILS	RANGE	RESULTS
Appearance	LIQUID	-
Colour	COLOURLESS - PALE YELLOW	-
Odour	CHARACTERISTIC	-
Specific Gravity @ 20°C	0.850 - 0.890	0.8743
Refractive Index @ 20°C	1.460 - 1.490	1.48027
OPTICAL ROTATION (°C)	-15.0 то +55.0	+1.89

**STORAGE CONDITIONS** 

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

### **Allergen Declaration:**

### PRODUCT NAME: Juniperberry, Essential Oil Organic

### **COSMETIC ALLERGENS**

#### The Following is from the 7th amendment of the cosmetic directive of the European Union Annex iii.

Annex Illa			TOTAL ALLERGEN	
Reference:		CAS NUMBER:	INCLUSION (%):	
67	AMYL CINNAMAL	122-40-7	0.000	
68	BENZYL ALCOHOL	100-51-6	0.000	
69	CINNAMYL ALCOHOL	104-54-1	0.000	
70	CITRAL	5392-40-5	0.000	
71	EUGENOL	97-53-0	0.000	
72	HYDROXY-CITRONELLAL	97-53-1	0.000	
73	ISOEUGENOL	97-53-2	0.000	
74	AMYLCIN-NAMYL ALCOHOL	97-53-3	0.000	
75	BENZYL SALICYLATE	97-53-4	0.000	
76	CINNAMAL	97-53-5	0.000	
77	COUMARIN	97-53-6	0.000	
78	GERANIOL	97-53-7	0.000	
79	HYDROXY-	97-53-8	0.000	
15	METHYLPENTYLCYCLOHEXENECARBOXALDEHYDE	37-33-8	0.000	
80	ANISE ALCOHOL	97-53-9	0.000	
81	BENZYL CINNAMATE	97-53-10	0.000	
82	FARNESOL	97-53-11	0.000	
83	BUTYLPHENYL METHYLPROPIONAL	97-53-12	0.000	
84	LINALOOL	97-53-13	0.000	
85	BENZYL BENZOATE	97-53-14	0.000	
86	CITRONELLOL	97-53-15	0.000	
87	HEXYL CINNAM-ALDEHYDE	97-53-16	0.000	
88	LIMONENE	97-53-17	<5.000	
89	METHYL HEPTIN CARBONATE	97-53-18	0.000	
90	ALPHA-ISOMETHYL IONONE	97-53-19	0.000	
91	EVERNIA PRUNASTRI EXTRACT	97-53-20	0.000	
92	EVERNIA FURFURACEA EXTRACT	97-53-21	0.000	

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission.

### **FOOD ALLERGENS**

The following is from the commission directive 2007/68/EC of 27th November 2007 amending Annex IIIa to Directive 200/13/EC of the European Parliament & Council with regards to specific food ingredients.

Annex Illa		PRESENT IN	CONTAMINATION	FACTORY
Reference:		PRODUCT:	PRESENCE:	PRESENCE:
1	CEREALS (CONTAINING GLUTEN)	NO	NO	YES
2	CRUSTACEANS	NO	NO	NO
3	EGGS	NO	NO	NO
4	FISH	NO	NO	NO
5	PEANUTS	NO	NO	YES
6	SOYA	NO	NO	YES
7	MILK	NO	NO	YES
8	NUTS	NO	NO	YES
9	CELERY & CELERIAC	NO	NO	YES
10	MUSTARD	NO	NO	YES
11	SESAME	NO	NO	YES
12	SULPHUR DIOXIDE & SULPHITES	NO	NO	NO
13	LUPIN	NO	NO	NO
14	MOLLUSC	NO	NO	NO

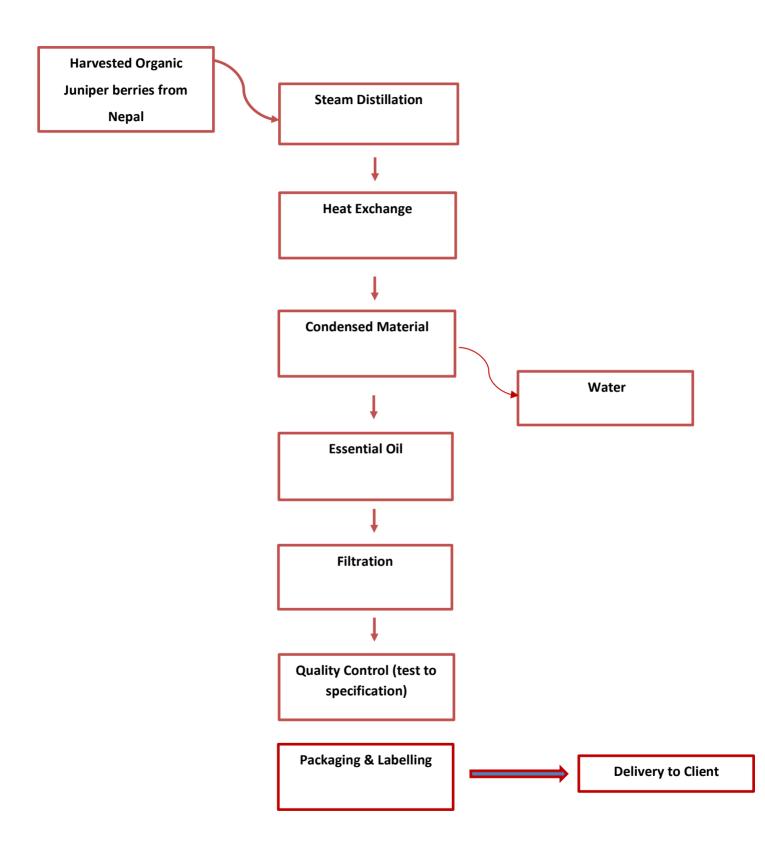
The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission.

Composition Statement & Manufacturing Flow Chart:

MADAR Corporation Limited can hereby confirm the following composition breakdown & manufacturing process flow;

Juniperberry, Essential Oil Organic

INCI Name	% Inclusion	CAS Number
Juniperus Communis Fruit	100	8002-68-4 / 84603-69-0





## **NON-GMO CERTIFICATE**

### PRODUCT NAME: Juniperberry Organic Essential Oil

To the best of our knowledge, the products listed below are not derived from Genetically Modified starting Raw materials or additives that are derived from Genetically Modified Organism and do not contain detectable of Genetically Modified material(known as PCR negative).

23/11/2020

### **IFRA STATEMENT**

#### PRODUCT NAME: JUNIPERBERRY, ESSENTIAL OIL ORGANIC

PRODUCT INCI: JUNIPERUS COMMUNIS FRUIT OIL

WE CERTIFY THAT THE ABOVE-MENTIONED MATERIAL CONFORMS TO THE IFRA 50 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE 50<sup>TH</sup> AMENDMENT OF THE IFRA CODE OF PRACTICE:

Restricted Component	Cas No:	% Level in Product	IFRA Standard
Limonene	5989-27-5	≤ 12.000	Specification
Linalool	78-70-6	≤ 0.030	Specification
Carvone	99-49-0	≤ 0.010	Restriction
Cedrene	11028-42-5, 469- 61-4, 546-28-1	≤ 0.010	Restriction
Eugenol	97-53-0	≤ 0.600	Restriction
Geraniol	106-24-1	≤ 0.020	Restriction
Furfural	98-01-1	≤ 0.001	Restriction
Methyl Eugenol	93-15-2	≤ 0.001	Restriction

#### **Additional Comments:**

Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

According to Cosmetic Regulation (EC) No 1223/2009 Annex III methyl eugenol is restricted to a maximum concentration in a ready to use preparation as follows

Fine fragrance – 0.01% / Eau de toilette - 0.004%

Fragrance cream - 0.002% / Rinse-off products - 0.001%

Other leave-on products and oral products - 0.0002%

IFRA Category	% Maximum Use Level
IFRA Category 1	58.00
IFRA Category 2	23.33

IFRA Category 3	29.00
IFRA Category 4	Not Restricted.
IFRA Category 5A	Not Restricted.
IFRA Category 5B	58.00
IFRA Category 5C	58.00
IFRA Category 5D	19.00
IFRA Category 6	Not Restricted.
IFRA Category 7A	58.00
IFRA Category 7B	58.00
IFRA Category 8	19.00
IFRA Category 9	87.00
IFRA Category 10A	87.00
IFRA Category 10B	Not Restricted.
IFRA Category 11A	19.00
IFRA Category 11B	19.00
IFRA Category 12	Not restricted.

IFRA Category	Product Type	Flavour Use	Phototoxicity
Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured, etc.). Children's toys.	Yes	Applicable (leave-on products)
Category 2	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne, etc.). Body sprays (including body mist)	No	Applicable (leave-on products)
Category 3	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer Facial make up and foundation. Make-up remover for face and eyes. Nose pore strips. Wipes or refreshing tissues for face, neck, hands, body. Body and face paint (for children and adults). Facial masks for face and around the eyes	No	Applicable (leave-on products)
Category 4	Hydro alcoholic and non-hydro alcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, aftershaves of all types, etc.). Fragranced bracelets. Ingredients of perfume kits and fragrance mixtures for cosmetic kits. Scent pads, foil packs. Scent strips for hydro alcoholic products	No	Applicable (leave-on products)
Category 5A	Body creams, oils, lotions of all types. Foot care products (creams and powders). Insect repellent (intended to be applied to the skin). All powders and talc (excluding baby powders and talc).	No	Applicable (leave-on products)
Category 5B	Facial toner. Facial moisturizers and creams	No	Applicable (leave-on products)
Category 5C	(women facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitizers	No	Applicable (leave-on products)
Category 5D	Baby cream/lotion, baby oil, baby powders and talc.	No	Applicable (leave-on products)
Category 6	Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets	Yes	Applicable (leave-on products)
Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes	No	Applicable (leave-on products)
Category 7B	Hair sprays of all types (pumps, aerosol sprays, etc.). Hair styling aids non-sprays (mousse, gels, leave- on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo - Dry (waterless shampoo). Hair deodorizer	No	Applicable (leave-on products)
Category 8	Intimate wipes. Tampons. Baby wipes. Toilet paper (wet).	No	Applicable (leave-on products)
Category 9	Bar soap. Shampoo of all type. Cleanser for face (rinse-off). Conditioner (rinse-off). Liquid soap. Body washes and shower gels of all types. Baby wash, bath, shampoo. Bath gels, foams, mousses, salts, oils and other products added to bathwater. Foot care products (feet are placed in a bath for soaking). Shaving creams of all types (stick, gels, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoos for pets	NO	Applicable (rinse-off products)
Category 10A	Hand wash laundry detergent (including concentrates). Laundry pre-treatment of all types (e.g. paste, sprays,	NO	Applicable (rinse-off

	sticks). Hand dishwashing detergent (including concentrates). Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.). Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates. Dry cleaning kits. Toilet seat wipes. Fabric softeners of all types including fabric softener sheets. Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics). Floor wax. Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (Odorized distilled water).		products)
Category 10B	Animal sprays – sprays applied to animals of all types. Air freshener sprays, manual, including aerosol and pump. Aerosol/spray insecticides	NO	Applicable (rinse-off products)
Category 11A	Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult). Adult incontinence pant, pad. Toilet paper (dry).	NO	Not applicable (leave-on products without UV exposure)
Category 11B	Tights with moisturizers. Scented socks, gloves. Facial tissues (dry tissues). Napkins. Paper towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks not used as medical device. Fertilizers, solid (pellet or powder).	NO	Applicable (leave- on products)
Category 12	Candles of all types (including encased). Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods). Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals). Air delivery systems. Cat litter. Cell phone cases. Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dish wash detergent and deodorizers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Shoe polishes. Rim blocks (Toilet).	NO	Not applicable (non-skin contact products)

### Material Safety Data Sheet

EU Regulation: 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING					
		,			
1.1 PRODUCT IDENTIFICATION					
Product Name	Juniperberry, Essen	TIAL ORGANIC			
BIOLOGICAL DEFINITION	JUNIPERUS COMMUN	IS FRUIT OIL IS TH	IE VOLATILE OIL OBTAINED FROM	THE BERRIES OF THE JU	NIPER, JUNIPERUS COMMUNIS L., CUPRESSACEAE.
INCI NAME	JUNIPERUS COMMUN	IS FRUIT			
Synonyms & Trade Names	-				
CAS-No	8002-68-4 / 73049-62-4 / 84603-69-0	EC No.	283-268-3	EINECS No.	283-268-3
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	A SHEET				
Company Address		MADAR Corporation Limited 19- 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA			
EMAIL	technical@madarcorpo	technical@madarcorporation.co.uk			
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	A SHEET				
	01425 655555				

SECTION 2: HAZARDS IDENTIFICATION					
2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.				
CLASSIFICATION (67/548/EEC)	NO ADDITIONAL DATA AVAILABLE.				
CLASSIFICATION (EU1272/2008)	H226 Flammable liquid and vapour, Hazard Category 3 H315 Skin irritation, Category 2 H317 Skin sensitisation, Category 1 H304 Aspiration Hazard, Category 1 H410 Environmental Hazard, Chronic, Category 1				
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.				
GHS LABEL					
	GHS07 CHS08 GHS09 GHS02				
Signal Word	DANGER.				
Contains	ALPHA PINENE, BETA PINENE, LIMONENE, BETA-CARYOPHYLLENE				
HAZARDS STATEMENT	H226 Flammable liquid and vapour H315 Causes skin irritation H317 May cause an allergic skin reaction H304 May be fatal if swallowed and enters airways H410 Very toxic to aquatic life with long lasting effects				
Precautionary Statements	<ul> <li>P210, KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES NO SMOKING.</li> <li>P233, KEEP CONTAINER TIGHTLY CLOSED.</li> <li>P240, GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.</li> <li>P241, USE EXPLOSION-PROOF ELECTRICAL, VENTILATING AND LIGHTING EQUIPMENT.</li> <li>P242, USE ONLY NON-SPARKING TOOLS.</li> <li>P243, TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.</li> <li>P261, AVOID BREATHING VAPOUR OR DUST.</li> <li>P264, WASH HANDS AND OTHER CONTACTED SKIN THOROUGHLY AFTER HANDLING.</li> <li>P272, CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE.</li> <li>P273, AVOID RELEASE TO THE ENVIRONMENT.</li> <li>P280, WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.</li> <li>P301/310, IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.</li> <li>P333/361/353, IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.</li> <li>P333/313, IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.</li> <li>P362, TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.</li> <li>P370/378, IN CASE OF FIRE: USE CARBON DIOXIDE, DRY CHEMICAL, FOAM FOR EXTINCTION.</li> <li>P391, COLLECT SPILLAGE.</li> <li>P403/235, STORE IN A WELL-VENTILATED PLACE. KEEP COOL.</li> <li>P501, DISPOSE OF CONTENTS/CONTAINER TO APPROVED DISPOSAL SITE, IN ACCORDANCE WITH LOCAL REGULATIONS</li> </ul>				
Supplementary Precautionary Statements	None				
	Section 16 (Other Information): Risk & Safety phrases in full.				
2.3 Other Hazards					
Adverse physio-chemical properties	None.				
Adverse effects on human health	NONE.				
PBT OR VPVB ACCORDING TO ANNEX XIII	None				

SECTION 3: COMPOSITION OF INGREDI	INTS				
	25.0 - 50.0% Alpha-Pinene CAS-No.: 80-56-8 EC No.: 201-291-9 Classification (EC 1272/2008) FL 3-SCI 2-SS 1B-AH 1-EH, A1-EH C1; H226-H304-H315-H317-H410 25.0 - 50.0% Beta-Pinene CAS-No.: 127-91-3 EC No.: 204-872-5 Classification (EC 1272/2008) FL 3-SCI 2-SS 1B-AH 1-EHA1-EH C1; H226-H304-H315-H317-H410				
	< 5.0% LIMONENE CAS-NO.: 5989-27-5 EC NO.: 227-813-5CLASSIFICATION (EC 1272/2008) 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410				
	<b>&lt;5.0% BETA-CARYOPHYLLENE</b> CAS-NO.: 87-44-5 EC NO.: 201-746-1 CLASSIFICATION (EC 1272/2008) 1;H304	AH			
3.1	<5.0% CAMPHENE CAS-NO.: 79-92-5 EC NO.: 201-243-8 CLASSIFICATION (EC 1272/2008) FS 2-EDI 2-EH A1-EH C1; H228-H319-H410				
MIXTURES	<1.0% TERPINOLENE CAS-NO.: 586-62-9 EC NO.: 209-578-0CLASSIFICATION (EC 1272/2008) 1-EH A1-EH C1;H304-H317-H410	SS 1B-AH			
	<1.0% Myrcene CAS-No.: 123-35-3 EC No.: 204-622-5				
	CLASSIFICATION (EC 1272/2008) FL 3-SCI 2-EDI 2-AH 1;				
	H226-H304-H315-H319				
	<1.0% Para-Cymene CAS-No.: 99-87-6 EC No.: 202-796-7				
	CLASSIFICATION (EC 1272/2008) FL 3-AH 1-EH C2;				
	H226-H304-H411				
	< 1.0% ALPHA PHELLANDRENE CAS: 99-83-2, EINECS: 202-792-5				
	CLASSIFICATION (EC 1272/2008) FL 3-AH 1;H226-H304				

SECTION 4: FIRST AID MEASURES	
4.1	
DESCRIPTION OF FIRST AID MEASURES	
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
INHALATION	GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION.
INGESTION	GET MEDICAL ATTENTION IMMEDIATELY. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION.
Skin Contact	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.
Eye Contact	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk Page 12 of 19

4.2 Most important symptoms & effects (Acute & Delayed)	O DATA.	
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	NO DATA.	
SECTION 5: FIRE FIGHTING MEASURES		
5.1 EXTINGUISHING MATERIAL	FOAM, CO2, DRY CHEMICAL POWDER.	
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	None.	
5.3 Advice for fire-fighters	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.	
SECTION 6: ACCIDENTAL RELEASE MEAS	URES	
6.1 Personal precautions	ENSURE ADEQUATE VENTILATION OF THE WORKING AREA, EVACUATE PERSONNEL TO SAFE AREA, WEAR SUITABLE PROTECTIVE EQUIPMENT. NO SMOKING, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION NEAR SPILLAGE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING.	
6.2 ENVIRONMENTAL PRECAUTIONS	DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.	
6.3 Methods & material for containment and cleaning UP		
6.4 REFERENCES TO OTHER SECTIONS	REFER & CONSIDER SECTION 8. REFER & CONSIDER SECTION 13.	
SECTION 7: HANDLING & STORAGE		
7.1 HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLA HOT SURFACES NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, SMOKE WHEN USING THIS PRODUCT.		
7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	KEEP THE PRODUCT CONTAINER TIGHTLY CLOSED, IN A DRY, VENTILATED AREA. KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. MAINTAIN LIMITED CONTACT WITH OXYGEN.	
7.3 Specific end use(s)	No Data.	
SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION		
8.1 Control Parameters	NONE.	
8.2 EXPOSURE CONTROLS		
EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.	
HAND PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.	
	UNDER NORMAL CONDITIONS OF USE AND WHERE ADEQUATE VENTILATION IS AVAILABLE TO PREVENT BUILD UP OF EXCESSIVE	
RESPIRATORY EQUIPMEN		
	PROLONGED USE, OR HIGH TEMPERATURE OR OTHER CONDITIONS WHICH INCREASE EXPOSURE, THE FOLLOWING ENGINEERING	

	CONTROLS CAN BE USED TO MINIMISE EXPOSURE TO PERSONNEL: A) INCREASE VENTILATION OF THE AREA WITH LOCAL EXHAUST	
	VENTILATION. B) PERSONNEL CAN USE AN APPROVED, APPROPRIATELY FITTED RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGE	
	OR CANISTERS AND PARTICULATE FILTERS. C) USE CLOSED SYSTEMS FOR TRANSFERRING AND PROCESSING THIS MATERIAL. ALSO	
	REFER TO SECTIONS 2 AND 7.	
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS $/$ OILS.	
ENGINEERING MEASURES	PROVIDE ADEQUATE VENTILLATION.	
SKIN PROTECTION	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.	
PERSONAL PROTECTION	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.	
OTHER PROTECTION	Wear suitable protection to avoid contact with skin and eyes. Do not inhale vapours.	
PROCESS CONDITIONS	ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.	
ENVIROMENTAL EXPOSURE CONTROLS	AVOID DISCHARGING INTO DRAINAGE WATER.	

### SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 Physical & Chemical Properties		
Appearance	LIQUID	
Colour	Pale Yellow - Yellow	
Odour	RICH BALSAMIC WOODY PINEY	
RELATIVE DENSITY	0.858 - 0.874 @ 20°C	
FLASH POINT (°C)	35°C.	
REFRACTIVE INDEX @ 20 °C	1.468 - 1.482 @ 20°C	
Solubility in water @ 20 °C	INSOLUBLE IN WATER	
9.2 Other Information	NO DATA.	
SECTION 10: STABILITY & REACTIVITY		
10.1 Reactivity	Stable under usual storage conditions.	
10.2 Chemical stability	Stable under suggested storage conditions (<1.5 $^{\circ}$ C).	
10.3 Possibility of hazardous reactions	No.	
10.4 Conditions to avoid	Storage at high temperatures. Do not store above $15^{\circ}$ C.	
10.5 INCOMPATIBLE MATERIALS	AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS.	
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke & carbon monoxide.	

SECTION 11: TOXICOLOGICAL INFORMATION	
11.1 TOXICOLOGICAL EFFECTS	
	Acute oral toxicity: Oral-rat LD50 3270 mg/kg FCT 2, 327 (1964). Acute dermal toxicity: Skin-rabbit LD50 > 5000 mg/kg FCT. 12, 917 (1974).
SKIN IRRITATION	Causes skin irritation.
EYE DAMAGE OR IRRITATION	CAUSES SERIOUS EYE IRRITATION.

19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK Tel: 01425 655555 Email: technical@madarcorporation.co.uk Page 14 of 19

RESPIRATORY OR SKIN SENSITIVITY	NOT APPLICABLE.
GERM CELL MUTAGENICITY	NOT APPLICABLE.
CARCINOGENICITY	NOT APPLICABLE.
<b>REPRODUCTIVE TOXICITY</b>	NOT APPLICABLE.
STOT – SINGLE EXPOSURE	NOT APPLICABLE.
STOT – REPEATED EXPOSURE	NOT APPLICABLE.
ASPIRATION HAZARD	NOT APPLICABLE.
Other Information	NOT APPLICABLE.
SECTION 12: ECOLOGICAL INFORMATION	
12.1 Toxicity	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. WHEN SPILLED CAN CONTAMINATE SOIL, GROUND AND SURFACE WATER.
12.2 Persistence & degradability	DEGRADABILITY : NO DATA AVAILABLE.
12.3 BIO- ACCUMULATIVE POTENTIAL	None.
12.4 Mobility in soil	None.
12.5 Results of PBT & VPVB assessment	No Data.
12.6 Other adverse effects	DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS.
SECTION 13: DISPOSAL INFORMATION	
13.1 Waste treatment methods	Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.

SECTION 14: TRANSPORT INFORMATION	
14.1 Transport Information	
	ROAD: 1169
UN NUMBER	AIR: 1169
	SEA: 1169
14.2 UN Shipping Name	Extracts, aromatic, liquid
	ADR/RID/ADN –         CLASS 3           ADR/RID/ADN –         CLASS 3           IMDG –         CLASS 3           ICAO –         CLASS 3
14.3 Transport hazard class(es)	TRANSPORT LABELS

	TUNNEL RESTRICTION CODE (D/E) HAZCHEM CODE •3YE EMS F-E, S-D
14.4 Packing Group	ADR/RID/ADN PACKING GROUP - III IMDG PACKING GROUP - III
	ICAO PACKING GROUP – III
14.5 Enviromental Hazards	Environmentally Hazardous Substance/Marine Pollutant
14.6 Special precautions for user	SEE SECTIONS 6-8.
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	NOT APPLICABLE.
SECTION 15: REGULATORY INFORMATION	
15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION	
EU Directives	REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 <sup>TH</sup> DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC and REPEALING COUNCIL REGULATION (EEC) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS).
STATUTORY INSTRUMENTS	THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716).
Approved Code of Practice	CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES & PREPARATIONS.
GUIDANCE NOTES	WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.
15.2 Chemical Safety Assessment	Assessment has not been carried out as this is a non-hazardous material according to article 31 of REACH 1907/2006.

SECTION 16: OTHER INFORMATION	
Hazard and/ or Precautionary Statements in full	H226 FLAMMABLE LIQUID AND VAPOUR H228 FLAMMABLE SOLID. H315 CAUSES SKIN IRRITATION H319 CAUSES SERIOUS EYE IRRITATION H317 MAY CAUSE AN ALLERGIC SKIN REACTION H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.	
Abbreviations & Acronyms:	
MSDS	Material Safety Data Sheet.
INCI	INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS.
CAS	CHEMICAL ABSTRACT SERVICE.
IMDG	INTERNATIONAL MARITIME CODE FOR DANGEROUS GOODS.
ADR	ACCORD EUROPEAN SUR LE TRANSPORT DES MERCHANDISES DANGEREUSES PAR ROUTE (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD).
RID	INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY RAIL.
ICAO	INTERNATIONAL CIVIL AVIATION ORGANIZATION.
ADN	INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS.
GHS	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.
TREM CARD	TRANSPORT EMERGENCY CARD.
STOT	Specific Target Organ Toxicity.

DOCUMENTATION REVISION	
DATE	CHANGE DESCRIPTION
10 <sup>™</sup> April 2018	Data Launch

### **SPECIFICATION SHEET**

PRODUCT NAME: JUNIPERBERRY, ESSENTIAL OIL ORGANIC

PRODUCT INCI: JUNIPERUS COMMUNIS FRUIT

Cas Number: 8002-68-4 / 73049-62-4 / 84603-69-0 Einecs Number: 283-268-3

MANUFACTURING METHOD: STEAM DISTILLED

SHELF LIFE / BEST BEFORE: 24 MONTHS

ANALYTICAL DETAILS	Range
Appearance	LIQUID
Colour	COLOURLESS - PALE YELLOW
Odour	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.850 – 0.890
Refractive Index @ 20°C	1.460 – 1.490
OPTICAL ROTATION (°C)	-15.0 то +35.0

**STORAGE CONDITIONS** 

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

DOCUMENTATION REVIEW DATE:

24<sup>th</sup> May 2018

### **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: Juniperberry Organic Essential Oil

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

23/11/2020