CERTIFICATE OF ANALYSIS

PRODUCT NAME: YUZO, ESSENTIAL OIL
BATCH NUMBER: 4493203
PRODUCT INCI: CITRUS JUNOS PEEL OIL
PRODUCT CODE: OEYUZO
CAS NUMBER: NOT LISTED
EINECS NUMBER: NOT LISTED
B _{EST} B _{EFORE} D _{ATE} : JANUARY 2026

ANALYTICAL DETAILS	Range	RESULTS
APPEARANCE	LIQUID	-
COLOUR	Y _{ELLOW} - ORANGE	-
Odour	CHARACTERISTIC	-
SPECIFIC GRAVITY @ 20°C	0.845 - 0.860	0.848
Refractive Index @ 20°C	1.470 – 1.480	1.474
OPTICAL ROTATION (°C)	+71.0 - +91.0	+84.30

STORAGE CONDITIONS

Store in a cool dry place away from heat & sunlight

ALLERGEN STATEMENT

PRODUCT NAME: YUZO, ESSENTIAL OIL

COSMETIC ALLERGENS

Annex Illa		CAS NUMBER:	TOTAL ALLERGEN
Reference:			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	≤ 0.2
71	EUGENOL	97-53-0	0.000
72	HYDROXY-CITRONELLAL	107-75-5	0.000
73	ISO EUGENOL	97-54-1	0.000
74	AMYLCIN-NAMYL ALCOHOL	101-85-9	0.000
75	BENZYL SALICYLATE	118-58-1	0.000
76	CINNAMAL	104-55-2	0.000
77	COUMARIN	91-64-5	0.000
78	GERANIOL	106-24-1	≤ 0.2
79	HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	0.000
80	ANISE ALCOHOL	105-13-5	0.000
81	BENZYL CINNAMATE 10		0.000
82	FARNESOL	4602-84-0	0.000
83	BUTYLPHENYL METHYLPROPIONAL	80-54-6	0.000
84	LINALOOL	78-70-6	≤ 3.0
85	BENZYL BENZOATE	120-51-4	0.000
86	CITRONELLOL	106-22-9	≤ 0.2
87	HEXYL CINNAM-ALDEHYDE	101-86-0	0.000
88	LIMONENE	5989-27-5	≤ 90.0
89	METHYL 2-OCTYNOATE	111-12-6	0.000
90	ALPHA-ISOMETHYL IONONE	127-51-5	0.000
91	EVERNIA PRUNASTRI EXTRACT	90028-68-5	0.000
92	EVERNIA FURFURACEA EXTRACT	90028-67-4	0.000

FOOD ALLERGENS

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

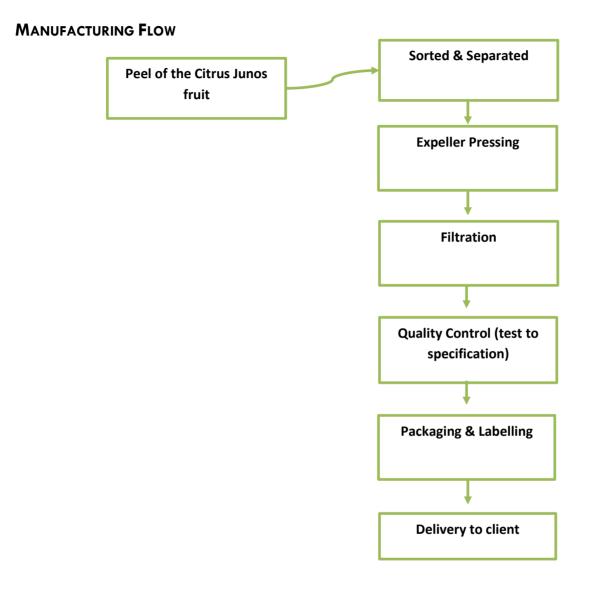
MANUFACTURING FLOW & INCI STATEMENT

PRODUCT NAME: YUZO, ESSENTIAL OIL

INCI STATEMENT

We can hereby confirm the following composition breakdown & manufacturing process flow.

INCI Name	% Inclusion	CAS Number
Citrus Junos Peel Oil	100	Not Listed



GMO Statement

PRODUCT NAME: Yuzo Essential Oil

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

19-04-23

IFRA STATEMENT

PRODUCT NAME: YUZO, ESSENTIAL OIL

PRODUCT INCI: CITRUS JUNOS PEEL OIL

MADAR CORPORATION LIMITED CERTIFY THAT THE ABOVE-MENTIONED MATERIAL CONFORMS TO THE IFRA 49 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE 49TH AMENDMENT OF THE IFRA CODE OF PRACTICE:

Restricted Component	Cas No:	% Level in Product	IFRA Standard
Limonene	5989-27-5	≤ 90.0	Specification
Linalool	78-70-6	≤ 3.0	Specification
Citral	5392-40-5	≤ 0.2	Restriction
Citronellol	106-22-9	≤ 0.2	Restriction
Citronellal	106-23-0	≤ 0.1	Restriction
Geraniol	106-24-1	≤ 0.2	Restriction
Methyl N-methylanthranilate	85-91-6	≤ 0.6	Restriction, Specification

Additional comments:

Flavour use consideration - 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 flavouring 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.

This Standard is set due to the phototoxic effects of Methyl N-formylanthranilate. For more detailed information on the application of this Standard, please refer to the note on phototoxic ingredients in chapter 1 of the Guidance for the use of IFRA Standards. This material has been identified for having the potential of forming nitrosamines in nitrosating systems. Downstream users therefore have to be notified of the presence of the material and its potential, to be able to consider adequate protective measures.

IFRA Category	% Maximum Use Level
IFRA Category 1	16.67
IFRA Category 2	16.00
IFRA Category 3	16.67
IFRA Category 4	16.67
IFRA Category 5A	16.67
IFRA Category 5B	16.67
IFRA Category 5C	16.67
IFRA Category 5D	16.67
IFRA Category 6	16.67
IFRA Category 7A	77.00
IFRA Category 7B	16.67
IFRA Category 8	16.67
IFRA Category 9	Not restricted
IFRA Category 10A	Not restricted
IFRA Category 10B	16.67
IFRA Category 11A	17.0
IFRA Category 11B	16.67
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
Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes	No	(leave-on products) 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, sticks). Hand dishwashing detergent (including concentrates). Hard surface cleaners of all types (bathroom and kitchen cleaners, 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 softeners, 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).	NO	Applicable (rinse-off 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: 2020/878

SECTION 1: IDENTIFICATION	N OF THE SUBST	ANCE/MIX	(TURE AND OF THE	COMPANY/UND	ERTAKING
1.1 Product Identification					
PRODUCT NAME	Yuzo, Essential	OIL			
BIOLOGICAL DEFINITION	CITRUS JUNOS PEE	L OIL IS THE V	OLATILE OIL OBTAINED FR	OM THE PEEL OF CITR	js junos, Rutaceae.
INCI NAME	CITRUS JUNOS PEE	CITRUS JUNOS PEEL OIL			
Synonyms & Trade Names	-	-			
INTERNAL PRODUCT CODE					
CAS-No	Not listed	EC No.	Not listed	EINECS No.	Not listed
1.2 Details of the supplier of the safety	OATA SHEET				
COMPANY ADDRESS	Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA				
EMAIL	technical@madarcorporation.co.uk				
1.3 Details of the supplier of the safety	OATA SHEET				
Emergency Contacts	01425 655 555				

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	The full text for all hazard statements is displayed in section 16.		
CLASSIFICATION (EU1272/2008)	Reg. (EC) No 1272/2008:Asp. Tox. 1Aquatic Chronic 2Skin Irrit. 2Skin Sens. 1Flam. Liq. 3haz cat:AH1EHC2SCI2SS1FL3haz statements:H304H411H315H317H226haz pictograms:GHS08GHS09GHS07GHS07GHS02		
2.2 LABEL ELEMENTS	Label in accordance with Regulation (EC) No 1272/2008.		
GHS LABEL	GHS07 GHS08 GHS09 GHS02 GHS02		
SIGNAL WORD	Danger.		
Contains	LIMONENE		
HAZARDS STATEMENT	H226 Flammable Liquid and Vapour. H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.		
PRECAUTIONARY STATEMENTS	P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. — NO SMOKING. P241 USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/EQUIPMENT P262 do not get in eyes, on skin or on clothing P273 Avoid Release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection.		
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P405 store locked up. P501 dispose product/container in accordance with applicable regulations.		
Section 16 (Other Information): Risk & Safety phrases in full.			
2.3 Other Hazards			

ADVERSE PHYSIO-CHEMICAL PROPERTIES	ΝΟ DATA			
ADVERSE EFFECTS ON HUMAN HEALTH	ΝΟ DATA			
PBT or vPvB according to Annex XIII	ΝΟ ΔΑΤΑ			
SECTION 3: COMPOSITION OF INGRE				
SECTION 5. COMPOSITION OF INGRE				
	≤ 90.0% LIMONENE CAS: 5989-27-5 EC: 227-813-5			
3.1 Substances	CLASSIFICATION (EC 1272/2008) AH1, EHC1, FL3, SCI2, SS1B			
	≤ 9.0% r-Terpinene CAS: 99-85-4 EC: 202-794-6			
	CLASSIFICATION (EC 1272/2008) AH1, FL3, SCI3, ATO5			
	≤ 3.0% LINALOOL CAS: 78-70-6 EC: 201-134-4			
	CLASSIFICATION (EC 1272/2008) FL4, SCI2, ATO5, EDI2A, EHA3			
	≤ 3.0% MYRCENE CAS: 123-35-3 EC: 204-622-5			
	CLASSIFICATION (EC 1272/2008) AH1, EDI2A, FL3, SCI2			

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		
SKIN CONTACT	IRRITATION PERSISTS.		
Eye Contact	FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.		
4.2	SYMPTOMS: INHALATION: CAN CAUSE SLIGHT HEADACHE		
MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE	CONTACT: CAN CAUSE BLOODSHOT EYES - CAN CAUSE SLIGHT SKIN RASH.		
& Delayed)	ACUTE AND DELAYED EFFECTS: NO POST-DISORDER EFFECTS ARE REPORTED.		
4.3	IMMEDIATE MEDICAL ASSISTANCE: SEE POINT 4.1.		
INDICATION OF ANY IMMEDIATE MEDICAL	IMMEDIATE/SPECIAL TREATMENT: SEE POINT 4.1.		
ATTENTION OR SPECIAL TREATMENT REQUIRED	FIRST AID SPECIFIC MEANS: EYE WASH FOUNTAIN / SAFETY SHOWER SHOULD BE AVAILABLE IN THE WORK AREA.		

SECTION 5: FIRE FIGHTING MEASURES

5.1	FOAM, CO2, DRY CHEMICAL POWDER. LARGE FIRE: USE WATER SPRAY OR FOG - COOL CONTAINING	
EXTINGUISHING MATERIAL	VESSELS WITH WATER JET IN ORDER TO PREVENT PRESSURE BUILD-UP, AUTO-IGNITION OR EXPLOSION.	
	UNSUITABLE EXTINGUISHING MEDIA: PRESSURIZED WATER	
5.2		
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR	Burning produces irritating, toxic and obnoxious fumes	
MIXTURE		
5.3	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:	
ADVICE FOR FIRE-FIGHTERS	WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE	
	CLOTHING.	

SECTION 6: ACCIDENTAL RELEASE MEASURES

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	
FERSONAL FRECAUTIONS	SPILLAGE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING.	
6.2	DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL	
ENVIRONMENTAL PRECAUTIONS	AUTHORITY GUIDELINES.	
6.3	REMOVE IGNITION SOURCES. PROVIDE ADEQUATE VENTILATION. AVOID EXCESSIVE INHALATION OF VAPOURS.	
METHODS & MATERIAL FOR CONTAINMENT AND	CONTAIN SPILLAGE IMMEDIATELY BY USE OF SAND OR INERT POWDER. DISPOSE OF ACCORDING TO LOCAL	
CLEANING UP	REGULATIONS.	
6.4	REFER & CONSIDER SECTION 4.	
REFERENCES TO OTHER SECTIONS	REFER & CONSIDER SECTION 8.	
REFERENCES TO OTHER SECTIONS	Refer & Consider Section 13.	

SECTION 7: HANDLING & STORAGE

7.1 Precautions for safe-handling	HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR 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)	RELEVANT USES: ODOUR AGENT / FLAVOURING AGENT - INGREDIENT FOR INDUSTRIAL MANUFACTURING. USES ADVISED AGAINST: NOT FOR PERSONAL USE IN THIS FORM OR CONCENTRATION.
SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION	
8.1 Control Parameters	No Data
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 VAPOUR, THIS MATERIAL SHOULD NOT REQUIRE SPECIAL ENGINEERING CONTROLS.
	HOWEVER, IN CONDITIONS OF HIGH OR PROLONGED USE, OR HIGH TEMPERATURE OR OTHER CONDITIONS
RESPIRATORY EQUIPMENT	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.
	WHERE APPROPRIATE, USE CLOSED SYSTEM TO TRANSFER AND PROCESS THIS MATERIAL - IF APPROPRIATE,
ENGINEERING MEASURES	ISOLATE MIXING ROOMS AND OTHER AREAS WHERE THIS MATERIAL IS USED OR OPENLY HANDLED - MAINTAIN
	THESE AREAS UNDER NEGATIVE AIR PRESSURE RELATIVE TO THE REST OF THE PLANT.
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. ONLY ELIMINATE BY AUTHORISED COMPANIES. THE USUAL
LINVIKOMENTAL LAFOSORE CONTROLS	PRECAUTIONS IN HANDLING CHEMICALS HAVE TO BE OBSERVED.

SECTION 9: PHYSICAL & CHEMICAL

PROPERTIES

9.1		
PHYSICAL & CHEMICAL PROPERTIES		
Appearance	Liquid	
Colour	Yellow – reddish.	
Odour	CHARACTERISTIC	
RELATIVE DENSITY	Approx. 0.857 @ 20°C	
Flash Point (°C)	48°C	
Refractive Index @ 20 °C	Approx. 1.475 @ 20°C	
Solubility in water @ 20 °C	INSOLUBLE IN WATER. SOLUBLE IN ALCOHOL AND OTHER OILS.	
9.2	No Data.	
OTHER INFORMATION	NO DATA.	
9.2.1		
INFORMATION WITH REGARD TO PHYSICAL HAZARD	NO DATA.	
CLASSES		
9.2.2	No Data	
OTHER SAFETY CHARACTERISTICS	NO DATA.	

SECTION 10: STABILITY & REACTIVITY

10.1	PRESENTS NO SIGNIFICANT REACTIVITY HAZARDS, BY ITSELF OR IN CONTACT WITH WATER. STABLE UNDER	
REACTIVITY	NORMAL TEMPERATURE AND STORAGE CONDITIONS AND RECOMMENDED USE.	
10.2	SUBSTANCE STABLE IF USED ACCORDING TO STORAGE & HANDLING CONDITIONS & IDENTIFIED USES (SEE	
CHEMICAL STABILITY	SUBSECTION 1.2).	
10.3	NONE IF USED ACCORDING TO STORAGE & HANDLING CONDITIONS & IDENTIFIED USES (SEE SUBSECTION	
POSSIBILITY OF HAZARDOUS REACTIONS	1.2).	
10.4	AVOID EXPOSURE TO HEAT.	
CONDITIONS TO AVOID	AVOID EXPOSURE TO HEAT.	
10.5	Avoid highly oxidising agents.	
INCOMPATIBLE MATERIALS		
10.6	THIS PRODUCT DOES NOT DECOMPOSE UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS THE	
HAZARDOUS DECOMPOSITION PRODUCTS	PRODUCT WILL PRODUCE A MIXTURE OF IRRITATING FUMES & SMOKE & CARBON MONOXIDE.	

1.1	
1.1 OXICOLOGICAL EFFECTS	
Αсυτε Τοχιςιτγ	LD50: 5 g/kg [source RIFM].
Skin irritation	Hazard statement: H315 causes skin irritation [source RIFM].
EYE DAMAGE OR IRRITATION	NOT CLASSIFIED AS IRRITATING TO THE EYE [SOURCE RIFM].
RESPIRATORY OR SKIN SENSITIVITY	HAZARD STATEMENT: H317 MAY CAUSE AN ALLERGIC SKIN REACTION [SOURCE RIFM].
GERM CELL MUTAGENICITY	ΝΟ DATA
CARCINOGENICITY	NO DATA.
R EPRODUCTIVE TOXICITY	NOT APPLICABLE.
STOT – SINGLE EXPOSURE	NOT APPLICABLE.
STOT – REPEATED EXPOSURE	NOT APPLICABLE.
ASPIRATION HAZARD	HAZARD STATEMENT: H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS [SOURCE RIFM].
1.2 IFORMATION ON OTHER HAZARDS	No Data.

H411 TOXIC TO AQUATIC LIFE WITH LONG AQUATIC LIFE: HAZARD STATEMENT: LASTING EFFECTS [SOURCE RIFM]. 12.1 EC50 65.9 MG/L (48H) CALCULATED ALGAE/AQUATIC PLANTS: TOXICITY VALUE [SOURCE RIFM]. FISH/AQUATIC INVERTEBRATES: NO ADDITIONAL DATA AVAILABLE. 12.2 THIS SUBSTANCE TO BE CONSIDERED AS A READILY BIODEGRADABLE SUBSTANCE; BASED **PERSISTENCE & DEGRADABILITY** ON ITS READY BIODEGRADABILITY, OIL DOES NOT FULFIL THE CRITERIA FOR PERSISTENCE. 12.3 AS THE CONSTITUENTS ARE READILY BIODEGRADABLE, IT IS LIKELY THAT THEY WILL ALSO BE **BIO- ACCUMULATIVE POTENTIAL** BIOTRANSFORMED IN HIGHER ORGANISMS SO BIOACCUMULATION IS ACTUALLY NOT

	EXPECTED	
12.4 Mobility in soil	This substance is considered as a readily biodegradable NCS. Based on the ready biodegradability of the NCS, simulation tests in surface water, sediment and soil are not required.	
12.5 Results of PBT & VPVB assessment	THIS SUBSTANCE IS NOT CLASSIFIED AS: PBT OR VPVB / CMR [SOURCE RIFM].	
12.6 ENDOCRINE DISRUPTING PROPERTIES	ΝΟ DATA	
12.7 Other adverse effects	ΝΟ DATA	
SECTION 13: DISPOSAL INFORMATION		
13.1 Waste treatment methods	The containers used for this product must completely empty before disposal. Dispose product and/or contaminated packaging in accordance with federal, state and local environmental control regulations - disposal through the waste water is illegal.	

SECTION 14: TRANSPORT INFORMATION	
14.1 Transport Information	
UN NUMBER	ROAD: 1197 RAIL: 1197 AIR: 1197
14.2 UN Shipping Name	UN1169=EXTRACTS, AROMATIC, LIQUID
14.3 Transport hazard class(es)	ADR/RID/ADN CLASS 3 IMDG CLASS 3 ICAO CLASS/DIVISION 3 TRANSPORT LABELS
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	ΝΟ ΔΑΤΑ.
14.7 Transport in bulk according to Annex II of MARPOL73/78 & The IBC code.	This product contains constituents flammables & dangerous for the environment - in case of pouring out, make sure to label new package accordingly, reproducing original label with relevant symbols.
SECTION 15: REGULATORY INFORMATION	
15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION	
EU DIRECTIVES	REGULATION (EC) NO 2020/878 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 TH 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	-

SECTION 16: OTHER INFORMATION	
HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H226 FLAMMABLE LIQUID AND VAPOUR. H304 may be fatal if swallowed and enters airways. H315 causes skin irritation. H317 may cause an allergic skin reaction. H411 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 [™] APRIL 2018	DATA LAUNCH	
OCTOBER 2020	Review	
JANUARY 2023	REVIEW	
07/04/2023	UN NUMBER CHANGED	

SPECIFICATION SHEET

PRODUCT NAME: YUZO, ESSENTIAL OIL PRODUCT INCI: CITRUS JUNOS PEEL OIL

CAS NUMBER: NOT LISTED
EINECS NUMBER: NOT LISTED
S _{HELF} L _{IFE} / B _{EST} B _{EFORE} : 36 _{MONTHS}

ANALYTICAL DETAILS	RANGE
APPEARANCE	LIQUID
COLOUR	Y _{ELLOW} - ORANGE
Odour	CHARACTERISTIC
Specific Gravity @ 20°C	0.845 - 0.860
Refractive Index @ 20°C	1.470 – 1.480
OPTICAL ROTATION (°C)	+71.0 - +91.0

STORAGE CONDITIONS STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

OCUMENTATION REVIEW DATE:

2021

Vegetarian & Vegan Suitability Statement

PRODUCT NAME: Yuzo 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.

19/04/23