## Material Safety Data Sheet

EU Regulation: 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING		
1.1 PRODUCT IDENTIFICATION		
Product Name	FRANKINCENSE (BOSWELLIA CARTERII), ESSENTIAL OIL	
BIOLOGICAL DEFINITION	BOSWELLIA CARTERII OIL IS THE VOLATILE OIL OBTAINED FROM THE BOSWELLIA CARTERII, BURSERACEAE.	
INCI NAME	Boswellia Carterii Oil	
Synonyms & Trade Names	Frankincense Oil	
CAS-No	89957-98-2 / 8050-07-5         EC No.         289-620-2 / 232-474-1         EINECS No.         289-620-2 / 232-474-1	
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET		
COMPANY ADDRESS	MOV HERBS	
EMAIL	TECHNICALCREW@MOVHERBS.COM	
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	A SHEET	
EMERGENCY CONTACTS		

HERBS

.1	
	THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.
CLASSIFICATION (67/548/EEC)	NO ADDITIONAL DATA AVAILABLE.
	Physical hazards: Flam. Liq. 3 – H226
CLASSIFICATION (EU1272/2008)	HEALTH HAZARDS: ACUTE TOX. 4 – H302, ASP. TOX. 1 – H304, SKIN IRRIT. 2 – H315, SKIN SENS. 1B – H317, REPR. 2 H361
	<b>Environmental hazards:</b> Aquatic Acute 1 – H 400, Aquatic Chronic 1 – H410- Chronic hazard, Category 2 (Aquatic Chronic 2, H411).
.2 abel Elements	Label in accordance with Regulation (EC) No 1272/2008.
GHS LABEL	GHS07 GHS02 GHS09 HGS08
Signal Word	DANGER
Contains	ALPHA-PINENE, D-LIMONENE, P-CYMENE
HAZARDS STATEMENT	H226 FLAMMABLE LIQUID AND VAPOUR. H302 HARMFUL IF SWALLOWED. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
Precautionary Statements	<ul> <li>P210 KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING.</li> <li>P240 GROUND AND BOND CONTAINER AND RECEIVING EQUIPMENT.</li> <li>P241 USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/EQUIPMENT.</li> <li>P242 USE NON-SPARKING TOOLS.</li> <li>P243 TAKE ACTION TO PREVENT STATIC DISCHARGES</li> <li>P261 AVOID BREATHING VAPOURS/SPRAY.</li> <li>P273 AVOID RELEASE TO THE ENVIRONMENT.</li> <li>P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION</li> <li>P301+P310 IF \$WALLOWED-IMMEDIATELY CALL A POISON CENTER/DOCTOR.</li> <li>P303+P361+P353 IF ON SKIN (OR HAIR) TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATH</li> <li>P333 ID ONOT INDUCE VOMITING.</li> <li>P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.</li> <li>P370+P378 IN CASE OF FIRE USE CARBON DIOXIDE, DRY CHEMICAL, FOAM TO EXTINGUISH.</li> <li>P301 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION.</li> </ul>
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P264 Wash hands and exposed skin thoroughly after handling.
	Section 16 (Other Information): Risk & Safety phrases in full.
3 THER HAZARDS	
ADVERSE PHYSIO-CHEMICAL PROPERTIES	NO DATA.
Adverse effects on human health	NO DATA.
PBT OR VPVB ACCORDING TO ANNEX XIII	NO DATA.

	25.0 – 50.0 % ALPHA-PINENE CAS NO: 80-56-8 EC NO: 201-291-9	
	CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3 – H226, ACUTE TOX. 4 - H302, ASP. TOX. 1 – H304,	
	SKIN IRRIT. 2 - H315, SKIN SENS. 1 – H317, AQUATIC ACUTE 1 – H400, AQUATIC CHRONIC 1 – H410	
	<b>10.0 – 25.0% BETA-PINENE</b> CAS No: 127-91-3 EC No: 204-872-5	
	Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315,	
	SKIN SENS. 1 - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410	
	≤ 18.5% D-LIMONENE CAS NO: 5989-27-5 EC NO: 227-813-5	
	CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3 – H226, ASP. TOX. 1 – H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 –	
3.1	H317, Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410	
SUBSTANCES		
	<b>10.0 – 25.0% P-CYMENE</b> CAS NO: 99-87-6 EC NO: 202-796-7	
	CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 – H226, ASP. TOX. 1 – H304, REPR. 2 - H361,	
	Aquatic Chronic 2 - H411	
	2.5 – 10% BETA-CARYOPHYLLENE CAS NO: 87-44-5 EC NO: 201-746-1	
	Classification (EC 1272/2008) Asp. Tox. 1 - H304, Skin Sens. 1B - H317, Aquatic Chronic 4 - H413	
	<b>2.5 – 10.0% Myrcene</b> CAS No: 123-35-3 EC No: 204-622-5	
	CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319,	
	CLASSIFICATION (EC 12/2/2006) FLAM. LIQ. 3 - FIZZO, ASP. TOX. 1 - FISU4, SKIN TRKIT. 2 - FISTS, EYE TRKIT. 2 - FISTS, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410	
	AQUATIC ACUTE 1 - 11400, AQUANC CHRONIC 1 - 11410	

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. IMMEDIATELY CALL THE DOCTOR. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION. INGESTION MAY CAUSE NAUSEA AND VOMITING.	
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.	
4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	NO ADDITIONAL DATA AVAILABLE, BS	
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	TREAT SYMTOMATICALLY.	

5.1	EXTINGUISH WITH THE FOLLOWING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM.
EXTINGUISHING MATERIAL	UNSUITABLE EXTINGUISHING MEDIA: DO NOT USE WATER JET AS AN EXTINGUISHER, AS THIS MAY SCATTER AND SPREAD FIRE.
5.2	A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR	HEALTH. DO NOT BREATHE IN SMOKE.
MIXTURE	THERMAL DECOMPOSITION OR COMBUSTION PRODUCTS MAY INCLUDE THE FOLLOWING SUBSTANCES:
	CARBON DIOXIDE (CO2), CARBON MONOXIDE (CO), OTHER TOXIC GASES.
	CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER.
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 SPILLAGE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. AVOID INHALATION.	
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	REMOVE IGNITION SOURCES. PROVIDE ADEQUATE VENTILATION. AVOID EXCESSIVE INHALATION OF VAPOURS. CONTAIN SPILLAGE IMMEDIATELY BY USE OF SAND OR INERT POWDER. DISPOSE OF ACCORDING TO LOCAL REGULATIONS. COVER WITH AN INERT, INORGANIC, NON-COMBUSTIBLE ABSORBENT MATERIAL (E.G. DRY-LIME, SAND, SODA ASH).	
6.4 REFERENCES TO OTHER SECTIONS	Refer & Consider Section 12.	
SECTION 7: HANDLING & STORAGE		
7.1       Handle in accordance with good hygiene and safety practice. Keep away from heat, sparks, open flag         7.1       Hot surfaces No smoking. Use personal protective equipment as required. Use in accordance with of manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, d smoke when using this product.		
7.2 Conditions for safe storage, including any incompatibilities Keep in cool, dry, ventilated storage and closed containers. Keep away from heat.		
7.3 SPECIFIC END USE(S)	NO DATA,	
SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION		
8.1 Control Parameters	NO ADDITIONAL DATA AVAILABLE.	
8.2 EXPOSURE CONTROLS		
EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY GOGGLES. (EN166)	
HAND PROTECTION	AVOID CONTACT WITH SKIN. WASH HANDS BEFORE BREAKS AND AT END OF WORK. WEAR PROTECTIVE GLOVES. DIN/EN 374. THE GLOVE MATERIAL HAS TO BE IMPERMEABLE AND RESISTANT TO THE PRODUCT/ THE SUBSTANCE/ THE PREPARATION. PENETRATION TIME OF GLOVE MATERIAL: THE EXACT BREAK THROUGH TIME HAS TO BE FOUND OUT BY THE MANUFACTURER OF THE PROTECTIVE GLOVES AND HAS TO BE OBSERVED.	
RESPIRATORY EQUIPMENT	DO NOT INHALE GASES / FUMES / AEROSOLS. CERTIFIED RESPIRATORY PROTECTIVE DEVICE RECOMMENDED.	
HYGIENE MEASURES	DO NOT INTIALE OASES / TOMES / AEROSOLS, CERTITED RESTRATOR T ROTECTIVE DEVICE RECOMMENDED.	
ENGINEERING MEASURES		
SKIN PROTECTION		
Personal Protection	Avoid inhalation of the product. Avoid contact with skin and eyes. Avoid contact with skin and eyes. Use personal protection according to Directive 89/686/EEC.	
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	COLOURLESS TO YELLOW.
Odour	CHARACTERISTIC
RELATIVE DENSITY @ 20°C	Approx. 0.878 @ 20°C
FLASH POINT (°C)	35 °C.
Refractive Index @ 20 °C	Approx. 1.460 @ 20°C
Solubility in water @ 20 °C	INSOLUBLE IN WATER.
9.2 Other Information	
9.2.1 INFORMATION WITH REGARD TO PHYSICAL HAZARD CLASSES	No Data.
9.2.2 Other safety characteristics	VAPOUR PRESSURE: BETWEEN 175 KPA AND 300 KPA INCLUSIVE.
SECTION 10. STADULTY & REACTIVITY	

## SECTION 10: STABILITY & REACTIVITY

10.1 REACTIVITY	NOT APPLICABLE.
10.2 CHEMICAL STABILITY	Stable under suggested storage conditions (<15 $^{\circ}$ C).
10.3 Possibility of hazardous reactions	NONE UNDER NORMAL PROCESSING.
10.4 Conditions to avoid	STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 1.5°C. AVOID HEAT, FLAMES AND OTHER SOURCES OF IGNITION.
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 Toxicity	HARMFUL IF SWALLOWED. (CALCULATION METHOD)
Skin irritation	CAUSES SKIN IRRITATION.
EYE DAMAGE OR IRRITATION	NOT CLASSIFIED.
RESPIRATORY OR SKIN SENSITIVITY	MAY CAUSE AN ALLERGIC SKIN REACTION.
GERM CELL MUTAGENICITY	NOT CLASSIFIED.
CARCINOGENICITY	NOT CLASSIFIED.
REPRODUCTIVE TOXICITY	SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
STOT – SINGLE EXPOSURE	NOT CLASSIFIED.
STOT – REPEATED EXPOSURE	NOT CLASSIFIED.
Aspiration hazard	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

11.2	
INFORMATION ON OTHER HAZARDS	NO DATA.
SECTION 12: ECOLOGICAL INFORMATION	
12.1 Τοχιατγ	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. THE PRODUCT MUST NOT BE ALLOWED TO RUN INTO DRAINS OR WATERWAYS.
12.2 Persistence & degradability	NO DATA.
12.3 BIO- ACCUMULATIVE POTENTIAL	NO DATA
12.4 MOBILITY IN SOIL	PREVENT CONTAMINATION OF SOIL, GROUND AND SURFACE WATER.
12.5 RESULTS OF PBT & VPVB ASSESSMENT	NO DATA.
12.6 ENDOCRINE DISRUPTING PROPERTIES	NO DATA.
12.7 Other Adverse effects	NO DATA.
SECTION 13: DISPOSAL INFORMATION	
13.1 Waste treatment methods	DO NOT ALLOW ENTRY INTO DRAINS OR WATERWAYS. WASTE: WASTE MANAGEMENT IS CARRIED OUT WITHOUT ENDANGERING HUMAN HEALTH, WITHOUT HARMING THE ENVIRONMENT AND, IN PARTICULAR WITHOUT RISK TO WATER, AIR, SOIL, PLANTS OR ANIMALS. RECYCLE OR DISPOSE OF WASTE IN COMPLIANCE WITH CURRENT LEGISLATION, PREFERABLY VIA A CERTIFIED COLLECTOR OR COMPANY. DO NOT CONTAMINATE THE GROUND OR WATER WITH WASTE. DO NOT DISPOSE OF WASTE INTO THE ENVIRONMENT. SOILED PACKAGING: EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER. DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR.

SECTION 14: TRANSPORT INFORMATION HERBS	
14.1 Transport Information	
	ROAD: UN 1197
UN NUMBER	SEA: UN 1197
	AIR: UN 1197
14.2	IMDG: Extracts, Liquid (alpha-Pinene)) Marine Pollutant
UN SHIPPING NAME	ADR, RID, ADN: EXTRACTS, LIQUID ICAO TI: EXTRACTS, LIQUID
14.3 Transport hazard class(es)	ADR/RID ADR/RID – Class 3 ADR Classification Code – F1 Special provisions – 601 604E Limited Quantities – 51 Expected Quantities – E1 Emergency Action Code – 3Y Tunnel Restriction Code – D/E
	IMDG

	IMDG - CLASS 3 SPECIAL PROVISIONS - 601 640E LIMITED QUANTITIES - 5L EXPECTED QUANTITIES - E1 IMDG EMS - F-E, S-D STOWAGE AND HANDLING - CATEGORY A ICAO/IATA ICAO/IATA - CLASS 3 IATA PROPER SHIPPING NAME - EXTRACTS, AROMATIC, LIQUID EXPECTED QUANTITIES - E1 TRANSPORT LABELS:
14.4 Packing Group	ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III
14.5 ENVIROMENTAL HAZARDS 14.6 SPECIAL PRECAUTIONS FOR USER 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	ENVIRONMENTALLY HAZARDOUS / MARINE POLLUTANT.
SECTION 15: REGULATORY INFORMATION	FRBS
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 <sup>™</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. H302 HARMFUL IF SWALLOWED. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION. H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. H400 VERY TOXIC TO AQUATIC LIFE. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H413 MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE.
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.

INTERNATIONAL MARITIME CODE FOR DANGEROUS GOODS.

INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY RAIL.

INTERNATIONAL CIVIL AVIATION ORGANIZATION.

TRANSPORT EMERGENCY CARD.

SPECIFIC TARGET ORGAN TOXICITY.

ADR ACCORD EUROPEAN SUR LE TRANSPORT DES MERCHANDISES DANGEREUSES PAR ROUTE (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD).

INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS.

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.

IMDG

RID

CAO

ADN

GHS

STOT

TREM CARD

DOCUMENTATION REVISION	
	FDRS
DATE	
10 <sup>™</sup> April 2018	Data Launch
2021	Review
JANUARY 2023	REVIEW