







SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFICATION					
PRODUCT NAME		ROSEMARY (CINEOL), ESSENTIAL ORGANIC			
BIOLOGICAL DEFINITION		ROSMARINUS OFFICINALIS LEAF OIL IS THE ESSENTIAL OIL OBTAINED FROM THE FLOWERING TOPS AND LEAVES OF THE ROSEMARY, ROSMARINUS OFFICINALIS L., LAMIACEAE.			
INCI NAME		ROSMARINUS OFFICINALIS LEAF			
SYNONYMS & TRADE NAMES		-			
INTERNAL PRODUCT CODE		-			
CAS-No		84604-14-8 / 8000-25-7	EC No.	283-291-9	EINECS No. 283-291-9
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
COMPANY ADDRESS		ECODROP LIMITED, PEMBROKE LODGE, 3 PEMBROKE ROAD, RUISLIP, HA4 8NQ			
EMAIL		SUPPORT@ECODROP.CO.UK			
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
24HRS Emergency Contact		999			

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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)	THE FULL TEXT FOR ALL R-PHRASES AND HAZARD STATEMENTS ARE DISPLAYED IN SECTION 16.
CLASSIFICATION (EU1272/2008)	PHYSICAL AND CHEMICAL HAZARDS: FLAMMABLE LIQUID, CATEGORY 3 (FLAM. LIQ. 3, H226). HUMAN HEALTH: ASPIRATION HAZARD, CATEGORY 1 (ASP. TOX. 1 – H304). SKIN IRRITATION, CATEGORY 2 (SKIN IRRIT. 2, H315). SKIN SENSITISATION, CATEGORY 1 (SKIN SENS. 1, H317). SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE), CATEGORY 2 (STOT SE 2, H371). ENVIRONMENT: HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD CATEGORY 1 (AQUATIC CHRONIC 1, H410).
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.
GHS LABEL	   
SIGNAL WORD	DANGER.
CONTAINS	ALPHA-PINENE, BETA-PINENE, BETA-CARYOPHYLLENE, MYRCENE
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. H371 MAY CAUSE DAMAGE TO ORGANS (IF SWALLOWED). H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
PRECAUTIONARY STATEMENTS	P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION. P261 AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P321 SPECIFIC TREATMENT (SEE MEDICAL ADVICE ON THIS LABEL). P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P362+P364 TAKE OFF CONTAMINATED CLOTHING. AND WASH IT BEFORE REUSE. P302+P352 IF ON SKIN: WASH WITH PLENTY OF WATER. P308+P311 IF EXPOSED OR CONCERNED: CALL A POISON CENTER/DOCTOR. P273 AVOID RELEASE TO THE ENVIRONMENT. P391 COLLECT SPILLAGE.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P264 WASH HANDS AND EXPOSED SKIN THOROUGHLY AFTER HANDLING. P332+P313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION
SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.	
2.3 OTHER HAZARDS	
ADVERSE PHYSIO-CHEMICAL PROPERTIES	NO DATA
ADVERSE EFFECTS ON HUMAN HEALTH	MAY BE HARMFUL IN CONTACT WITH SKIN.
PBT OR vPvB ACCORDING TO ANNEX XIII	THE SUBSTANCE DOES NOT SATISFY THE PBT OR vPvP CRITERIA IN ACCORDANCE WITH ANNEXE XIII OF THE REACH REGULATIONS EC 1907/2006.
SECTION 3: COMPOSITION OF INGREDIENTS	
3.2 SUBSTANCE	45.0 – 55.0% 1,8-CINEOLE CAS No: 470-82-6 EC No: 207-431-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 – H226, SKIN SENS. 1 –H317 10.0 -15.0% ALPHA-PINENE CAS No: 80-56-8 EC No: 201-291-9

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□ 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

5.0 – 10.0% BETA-PINENE 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

10.0 – 15% CAMPHOR CAS No: 76-22-2 EC No: 200-945-0

CLASSIFICATION (EC 1272/2008) FLAM. SOL. 2 – H228, ACUTE TOX. 4 H332, STOT SE 2 – H371

<4.0% LIMONENE CAS No: 5989-54-8 EC No: 227-815-6

CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 – H226, SKIN IRRIT. 2 – H315, SKIN SENS. 1 – H317, AQUATIC ACUTE 1 – H400, AQUATIC CHRONIC 1 - H410

1.0 – 5.0% CAMPHENE CAS No: 79-92-5 EC No: 201-234-8

CLASSIFICATION (EC 1272/2008) FLAM. SOL. 1 – H228, EYE IRRIT. 2 – H319, AQUATIC ACUTE 1 – H400, AQUATIC CHRONIC 1 - H410

1.0–5.0%BETA-CARYOPHYLLENE CAS No: 87-44-5 EC No: 201-746-1

CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304

1.0–5.0% BORNEOL CAS No: 507-70-0 EC No: 208-080-0

CLASSIFICATION (EC 1272/2008) FLAM. SOL. 2 - H228

1.0-5.0% ALPHA-TERPINEOL CAS No: 98-55-5 EC No: 202-680-6

CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 – H315, EYE IRRIT. 2 – H319

1.0 – 5.0% MYRCENE 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, SKIN SENS. 1B – H317, EYE IRRIT. 2 – H319, AQUATIC ACUTE 1 – H400, AQUATIC CHRONIC 1 - H410

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.
4.2	INHALATION MAY CAUSE COUGHING AND DIFFICULTIES IN BREATHING.
MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	INGESTION IRRITATING TO THE RESPIRATORY TRACT AND MAY CAUSE DAMAGE TO THE CENTRAL NERVOUS SYSTEM.
	SKIN CONTACT TOXIC IN CONTACT WITH SKIN.
	EYE CONTACT MAY CAUSE EYE IRRITATION.
4.3	
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	NONE EXPECTED, SEE SECTION 4.1 FOR FURTHER INFORMATION.

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SECTION 5: FIRE FIGHTING MEASURES	
5.1 EXTINGUISHING MATERIAL	FOAM, CO2, DRY CHEMICAL POWDER.
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES
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 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.
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.
6.4 REFERENCES TO OTHER SECTIONS	REFER & CONSIDER SECTION 8. 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)	NO DATA.
SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION	

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8.1 CONTROL PARAMETERS	- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :						
	CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
	76-22-2	2ppm	3 ppm	-	-	-	
	- France (INRS - ED984 :2008) :						
	CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
	76-22-2	2	12	-	-	-	-
	- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :						
	CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
	76-22-2	2 ppm	3 ppm	-	-	-	

8.2 EXPOSURE CONTROLS

EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
HAND PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
RESPIRATORY EQUIPMENT	NO DATA
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
ENGINEERING MEASURES	NONE.
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	CLEAR
COLOUR	COLOURLESS – PALE YELLOW
ODOUR	CHARACTERISTIC, CINEOL.
RELATIVE DENSITY	APPROX 0.910 @ 20°C
FLASH POINT (°C)	43°C
REFRACTIVE INDEX@20 °C	1.467 @ 20°C
SOLUBILITY IN WATER@20 °C	INSOLUBLE IN WATER

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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	
UN NUMBER	ROAD: 1169 RAIL: 1169 AIR: 1169
14.2 UN SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S.
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID/ADN CLASS 3 IMDG CLASS 3 ICAO CLASS/DIVISION 3
14.4 PACKING GROUP	ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III
14.5 ENVIRONMENTAL HAZARDS	ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT.
14.6 SPECIAL PRECAUTIONS FOR USER	EMS F-E,S-D EMERGENCY ACTION CODE F1 HAZARD NO. (ADR) 90 ENVIRONMENTALLY HAZARDOUS SUBSTANCE. TUNNEL RESTRICTION CODE (D/E)
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	EMS: F-A,S-F
SECTION 15: REGULATORY INFORMATION	
15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS &	

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LEGISLATION	
EU DIRECTIVES	REGULATION (EC) No 1907/2006 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. H228 FLAMMABLE SOLID. 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. H371 MAY CAUSE DAMAGE TO ORGANS. H400 VERY TOXIC TO AQUATIC LIFE. 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 MARCHANDISES 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 TH APRIL 2019	DATA LAUNCH

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