

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING				
1.1 PRODUCT IDENTIFICATION				
PRODUCT NAME	PINE SYLVESTRIS, ESSENTIAL OIL ORGANIC			
BIOLOGICAL DEFINITION	PINUS SYLVESTRIS LEAF OIL IS THE VOLATILE OIL OBTAINED FROM THE NEEDLES OF THE SCOTCH PINE, PINUS SYLVESTRIS L.,			
INCI NAME	PINUS SYLVESTRIS LEAF			
SYNONYMS & TRADE NAMES	-			
INTERNAL PRODUCT CODE	K0355			
CAS-No	8023-99-2/ 84012-35-1 EC No. 281-679-2 EINECS No. 281-679-2			
1.2 Details of the supplier of the safety data sheet				
COMPANY ADDRESS	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	1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET			
EMERGENCY CONTACTS	+44 (0)7732 546773			

SECTION 2: HAZARDS IDENTIFICATIO	Ν		
2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.		
CLASSIFICATION (67/548/EEC)	HARMFUL DANGEROUS FOR THE ENVIRONMENT		
CLASSIFICATION (EU1272/2008)	PHYSICAL AND CHEMICAL HAZARDS: FLAM. LIQ. 3 (H226) HUMAN HEALTH ASP.: ASP. TOX. 1 - H304 SKIN SENS. 1 (H317) ENVIRONMENT: AQUATIC CHRONIC 1 - H410		
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.		
GHS LABEL	GHS02 GHS07 GHS08 GHS09		
SIGNAL WORD	DANGER.		
Contains	A-PINENE, B-PINENE, LIMONENE, CAMPHENE		
HAZARDS STATEMENT	H226FLAMMABLE LIQUID AND VAPOUR.H304May be fatal if swallowed and enters airways.H317May cause an allergic skin reaction.H411Very toxic to aquatic life with long lasting effects.		
PRECAUTIONARY STATEMENTS	P280 Wear protective gloves/protective clothing/eye protection/face protection. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P301/P330/P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 Immediately call a POISON CENTER or doctor/physician. P273 Avoid Release to the environment. P501 Dispose of contents/container to regional, national regulation.		
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	NONE.		
SECT	TION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.		
2.3 Other Hazards			
ADVERSE PHYSIO-CHEMICAL PROPERTIES	COMBUSTIBLE BUT SHOULD NOT SELF-IGNITE.		
ADVERSE EFFECTS ON HUMAN HEALTH	SKIN CONTACT MAY CAUSE IRRITATION/SENSITISATION.		
PBT OR VPVB ACCORDING TO ANNEX XIII	Νο		
SECTION 3: COMPOSITION OF INGREE	DIENTS		
	70-85% ALPHA-PINENE CAS-NO.: 80-56-8 EC NO.: 201-291-9 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304		
3.2 SUBSTANCES	2-7% BETA-PINENE CAS. NO: 127-91-3 EC NO: 204-872-5 CLASSIFICATION (EC 1272/2008); DANGER, FLAM. LIQ. 3 – H226, SKIN SENS. 1 – H317, ASP TOX. 1 – H304, AQUATIC CHRONIC 1 – H410		
	3-7% LIMONENE CAS-No.: 5989-27-5 EC No.: 227-813-5C LASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 – H226, SKIN IRRIT2 – H315ASP TOX. 1 – H304, SKIN SENS. 1 – H317 AQUATIC ACUTE1 – H400, AQUATIC CHRONIC1 – H410		
	1-5% CAMPHENE CAS-NO 79-92-5, EC 201-234-8 Classification (EC 1272/2008); Flam. Sol. 1 – H228, Eye Irrit 2 – H319, Aquatic Acute 1 – H400		

SECTION 4: FIRST AID MEASURES

4.1 **DESCRIPTION OF FIRST AID MEASURES** GENERAL INFORMATION ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY. GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL INHALATION 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. INHALATION MAY CAUSE COUGHING AND DIFFICULTIES IN BREATHING. 4.2 INGESTION IRRITATING TO THE RESPIRATORY TRACT AND MAY CAUSE DAMAGE TO THE CENTRAL NERVOUS SYSTEM. MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & SKIN CONTACT TOXIC IN CONTACT WITH SKIN. DELAYED) EYECONTACT MAY CAUSE EYE IRRITATION. 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR NONE EXPECTED, SEE SECTION 4.1 FOR FURTHER INFORMATION.

SPECIAL TREATMENT REQUIRED

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	DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY
ENVIRONMENTAL PRECAUTIONS	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	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 CONDITIONSFORSAFESTORAGE, 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	NO DATA.

	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
HAND PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
RESPIRATORY EQUIPMENT	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 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
Hygiene Measures	REFER TO SECTIONS 2 AND 7.
Engineering Measures	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
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	COLOURLESS - YELLOW

APPEARANCE	Liquid	
COLOUR	COLOURLESS - YELLOW	
Odour	CHARACTERISTIC.	
RELATIVE DENSITY	0.857 – 0.875 @ 20°C	
FLASH POINT (°C)	36°C	
REFRACTIVE INDEX@20°C	1.465 то 1.475 @ 20°С	
Solubilityinwater@20°C	INSOLUBLE IN WATER. SOLUBLE IN ETHANOL AT A RATIO OF 1:5	
9.2 Other Information	No Data.	
SECTION 10: STABILITY & REACTIVITY		
10.1 REACTIVITY	PRESENTS NO SIGNIFICANT REACTIVITY HAZARDS, BY ITSELF OR IN CONTACT WITH WATER. STABLE UNDER NORMAL TEMPERATURE AND STORAGE CONDITIONS AND RECOMMENDED USE.	
10.1		
10.1 REACTIVITY 10.2	TEMPERATURE AND STORAGE CONDITIONS AND RECOMMENDED USE.	
10.1 REACTIVITY 10.2 CHEMICAL STABILITY 10.3	TEMPERATURE AND STORAGE CONDITIONS AND RECOMMENDED USE. STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).	

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	
Αсυτε Τοχιςιτγ	LD50 (ORAL) IN MG/KG: > 5000 LD50 (dermal) IN MG/KG: > 5000
Skin irritation	ΝΟ DATA
Eye DAMAGE OR IRRITATION	ΝΟ DATA
RESPIRATORY OR SKIN SENSITIVITY	ΝΟ DATA
GERM CELL MUTAGENICITY	ΝΟ ΠΑΤΑ
CARCINOGENICITY	NOT APPLICABLE.
R EPRODUCTIVE TOXICITY	NOT APPLICABLE.
STOT – SINGLE EXPOSURE	NOT APPLICABLE.
STOT – REPEATED EXPOSURE	NOT APPLICABLE.
Aspiration Hazard	NO DATA.
Other Information	NO DATA.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Τοχιςιτγ	TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS
12.2 PERSISTENCE & DEGRADABILITY	TO BE CONSIDERED AS READILY BIODEGRADABLE BASED ON ITS READY BIODEGRADABILITY. OIL DOES NOT FULFIL THE CRITERIA FOR PERSISTENCE.
12.3 BIO- ACCUMULATIVE POTENTIAL	BIO-ACCUMALATION POTENTIAL
12.4 Mobility in soil	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 IN ACCORDANCE WITH EFFECTS.
12.5 RESULTS OF PBT & VPVB ASSESSMENT	THIS SUBSTANCE DOES NOT MEET THE PBT/VPVB CRITERIA OF REACH, ANNEX XIII.
12.6 OTHER ADVERSE EFFECTS	DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS.
SECTION 13: DISPOSAL INFORMATION	

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13.1	ALWAYS RECOVER SPILLED PRODUCT. DISCARD WASTE MATERIAL WITH AUTHORIZED WASTE
WASTE TREATMENT METHODS	MANAGEMENT SERVICES. ACT IN ACCORDANCE WITH LOCAL & NATIONAL WASTE REGULATIONS.
SECTION 14: TRANSPORT INFORMATION	

14.1 Transport Information	
UN NUMBER	ROAD: 1272 RAIL: 1272 AIR: 1272
14.2 UN Shipping Name	PINE OIL
14.3 Transport hazard class(es)	ADR/RID/ADN CLASS: 3 FLAMMABLE LIQUID. IMDG CLASS: 3 FLAMMABLE LIQUID. ICAO CLASS/DIVISION: 3 FLAMMABLE LIQUID. 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.	NO ADDITIONAL DATA.

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 $18^{\mbox{\tiny TH}}$
	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	-

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SECTION 16: OTHER INFORMATION	
HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H226FLAMMABLE LIQUID AND VAPOUR.H228FLAMMABLE SOLIDH304MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.H315CAUSES SKINIRRITATION.H317MAY CAUSE AN ALLERGIC SKIN REACTION.H319CAUSES SERIOUS EYE IRRITATION.H400VERY TOXIC TO AQUATIC LIFE.H410VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.H411VERY 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