



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		PEPPERMINT (MENTHA PIPERITA), ESSENTIAL OIL			
BIOLOGICAL DEFINITION		MENTHA PIPERITA OIL IS THE VOLATILE OIL OBTAINED FROM THE WHOLE PLANT OF THE PEPPERMINT, MENTHA PIPERITA (L.), LABIATAE.			
INCI NAME		MENTHA PIPERITA OIL			
SYNONYMS & TRADE NAMES		PEPPERMINT OIL			
INTERNAL PRODUCT CODE		K0347			
CAS-No	8006-90-4 / 84082-70-2	EC No.	282-015-4	EINECS No.	282-015-4
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
COMPANY ADDRESS		Ecoflores 34-400 Nowy Targ ul. Waksmundzka 34 Poland +48604508229			
EMAIL		kontakt@ecoflores.eu			
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
EMERGENCY CONTACTS		112			

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: NOT CLASSIFIED.
Human health: Acute Tox. 4 - H302; Skin Irrit. 2 - H315; Skin Sens. 1 - H317, Eye Irrit. 2 - H319
Environment : Aquatic Acute 2 - H401; Aquatic Chronic 2 - H411

2.2 LABEL ELEMENTS

LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.

GHS LABEL



GHS07



GHS08



GHS09

SIGNAL WORD

DANGER

CONTAINS

D-LIMONENE, BETA-CARYOPHYLLENE, ALPHA-PINENE, BETA-PINENE

HAZARDS STATEMENT

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.
H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

PRECAUTIONARY STATEMENTS

P273 AVOID RELEASE TO THE ENVIRONMENT.
P280 WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION.
P302+P352 IF ON SKIN: WASH WITH PLENTY OF WATER.
P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
P331 DO NOT INDUCE VOMITING.
P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ ATTENTION.
P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ ATTENTION
P391 COLLECT SPILLAGE.
P501 DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH NATIONAL REGULATIONS.

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P264 WASH CONTAMINATED SKIN THOROUGHLY AFTER HANDLING.
P272 CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE.
P362+P364 TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE.

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

NO DATA.

SECTION 3: COMPOSITION OF INGREDIENTS

3.2 SUBSTANCE

30.0 – 50.0% L-MENTHOL

CAS No: 2216-51-5

EC No: 218-690-9

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



	15.0 – 30.0% TRANS-MENTHONE CAS No: 89-80-5 EC No: 201-941-1 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302, AQUATIC CHRONIC 3 – H412
	2.0 – 10.0% 1,8-CINEOLE CAS No: 470-82-6 EC No: 207-431-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN SENS. 1B - H317
	2.0 – 10.0% L-MENTHYL ACETATE CAS No: 2623-23-6 EC No: 220-076-0 CLASSIFICATION (EC 1272/2008) AQUATIC CHRONIC 2 - H411
	1.0 – 8.0% DL-ISOMENTHONE CAS No: 491-07-6 EC No: 207-727-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317
	2.0 – 10.0% MENTHYL ACETATE CAS No: 89-48-5 EC No: 201-911-8 CLASSIFICATION (EC 1272/2008) AQUATIC CHRONIC 2 - H411
	≤7.0% 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 - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410
	2.0 – 8.0% NEOMENTHOL CAS No: 2216-52-6 EC No: 218-691-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315
	≤ 5.0% MENTHOFURAN CAS No: 494-90-6 EC No: 207-795-5 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302, SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319, AQUATIC CHRONIC 2 - H411
	≤ 4.0% BETA-CARYOPHYLLENE CAS No: 87-44-5 EC No: 201-746-1 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304, SKIN SENS. 1B - H317
	≤ 3.0% 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
	≤ 3.0% 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
	≤ 2.0% SABINENE CAS No: 3387-41-5 EC No: 222-212-4 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302
	≤ 1.0% 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, EYE IRRIT. 2 - H319, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 2 - H411

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 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	INHALATION MAY CAUSE COUGHING AND DIFFICULTIES IN BREATHING. 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.

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

8.1 CONTROL PARAMETERS	NO DATA
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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	LIQUID
COLOUR	COLOURLESS – PALE YELLOW
ODOUR	CHARACTERISTIC, MINTY FRESH
RELATIVE DENSITY	APPROX. 0.902 @ 20°C
FLASH POINT (°C)	71°C
REFRACTIVE INDEX @ 20 °C	APPROX. 1.460 @ 20°C
SOLUBILITY IN WATER @ 20 °C	INSOLUBLE IN WATER.
9.2 OTHER INFORMATION	NO DATA
9.2.1 INFORMATION WITH REGARD TO PHYSICAL HAZARD CLASSES	NO DATA.
9.2.2 OTHER SAFETY CHARACTERISTICS	NO DATA.
SECTION 10: STABILITY & REACTIVITY	
10.1 REACTIVITY	NO HAZARDOUS REACTIONS IF STORED AND HANDLED AS PRESCRIBED / INDICATED.
10.2 CHEMICAL STABILITY	STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	NO.
10.4 CONDITIONS TO AVOID	STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C.
10.5 INCOMPATIBLE MATERIALS	STRONG OXIDISING SUBSTANCES.
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

SKIN IRRITATION CAUSES SKIN IRRITATION

EYE DAMAGE OR IRRITATION CAUSES EYE IRRITATION

RESPIRATORY OR SKIN SENSITIVITY MAY CAUSE ALLERGIC REACTION

GERM CELL MUTAGENICITY NO DATA

CARCINOGENICITY NO DATA

REPRODUCTIVE TOXICITY NOT APPLICABLE.

STOT – SINGLE EXPOSURE NOT APPLICABLE.

STOT – REPEATED EXPOSURE NOT APPLICABLE.

ASPIRATION HAZARD THE CLP ADDITIVITY CALCULATION CLASSIFIES THE PRODUCT AS ASP. TOX. 1 - MAY BE FATAL IF SWALLOWED AND ENTERS

11.2

INFORMATION ON OTHER HAZARDS

NO DATA.

SECTION 12: ECOLOGICAL INFORMATION

12.1

TOXICITY

THE CLP ADDITIVITY CALCULATION CLASSIFIES THE PRODUCT AS AQUATIC CHRONIC 2 - TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

12.2

PERSISTENCE & DEGRADABILITY

READILY BIODEGRADABLE.

12.3

BIO- ACCUMULATIVE POTENTIAL

NO DATA

12.4

MOBILITY IN SOIL

NO DATA.

12.5

RESULTS OF PBT & VPVB ASSESSMENT

THE PRODUCT IS NOT PBT / VPVB

12.6

ENDOCRINE DISRUPTING PROPERTIES

DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS.

12.7

OTHER ADVERSE EFFECTS



NO DATA.

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: 3082 RAIL: 3082 AIR: 3082
14.2 UN SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S.
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID/ADN CLASS 9 IMDG CLASS 9 ICAO CLASS/DIVISION 9 
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	EMS F-A-S-F AIR TRANSPORT NOTES PACKING INSTRUCTION: 914 HAZARD NO. (ADR) 90 ENVIRONMENTALLY HAZARDOUS SUBSTANCE; MISCELLANEOUS DANGEROUS SUBSTANCES. TUNNEL RESTRICTION CODE (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 & LEGISLATION	
EU DIRECTIVES	STATUTORY INSTRUMENTS: THE CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS 2009 (S.I 2009 No. 716). GUIDANCE NOTES: WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG(108). EU LEGISLATION: REGULATION (EC) No 2020/878 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 DECEMBER 2006 CONCERNING THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION



	DIRECTIVES 91/155/EEC, 93/67/EEC, 93/105/EC AND 2000/21/EC, INCLUDING AMENDMENTS.
15.2 CHEMICAL SAFETY ASSESSMENT	NO DATA.

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. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H412 HARMFUL 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
2021	REVIEW
DECEMBER 2022	EU REGULATION CHANGED
JANUARY 2023	REVIEW