

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	GRAPEFRUIT (PINK), E	SSENTIAL OIL			
BIOLOGICAL DEFINITION	CITRUS GRANDIS PEEL	OIL IS THE VO	LATILE OIL OBTAINED FROM THE PEE	EL OF THE GRAPEFRUIT,	, CITRUS GRANDIS, RUTACEAE.
INCI NAME	CITRUS GRANDIS PEEL OIL				
SYNONYMS & TRADE NAMES	PINK GRAPEFRUIT OIL				
CAS-No	90045-43-5	EC No.	289-904-6	EINECS No.	289-904-6
I.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
COMPANY ADDRESS	Ecoflores ul. Waksmundzka 34, 34-400 Nowy Targ, Poland tel. +48-604508229 www.ecoflores.eu				
EMAIL	kontakt@ecoflores.eu				
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	A SHEET				
EMERGENCY CONTACTS	112				



2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.		
CLASSIFICATION (67/548/EEC)	NO ADDITIONAL DATA AVAILABLE.		
CLASSIFICATION (EU1272/2008)	PHYSICAL HAZARDS: FLAM. LIQ. 3 - H226 HEALTH HAZARDS: ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317 ENVIRONMENTAL HAZARDS: AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410		
2.2 Label Elements	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.		
GHS LABEL	GHS02 GHS08 GHS07 GHS09		
SIGNAL WORD	DANGER.		
Contains	D-LIMONENE, 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. H410, Very toxic to aquatic life with long lasting effects.		
PRECAUTIONARY STATEMENTS	P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P233: Keep container tightly closed. P261: Avoid breathing vapours/spray. P264: Wash with soap and water thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P331: Do NOT induce vomiting. P362: Take off contaminated clothing and wash before reuse. P391: Collect spillage. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse ski with water/shower. P332 + P313: If skin irritation occurs: Get medical advice/attention. P333 + P313: If skin irritation or rash occurs: Get medical advice/attention. P370 + P378: In case of fire: Use Carbon Dioxide, Dry Chemical, Foam Universal for extinction. P405: Store in a closed container. P403 + P235: Store in a well-ventilated place. Keep cool. P501: Dispose of contents / container to a collection of special or hazardous waste.		
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	None		
2.3	SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.		
OTHER HAZARDS			
Adverse Physio-Chemical properties	NO ADDITONAL DATA AVAILABLE.		
Adverse effects on human health	NO ADDITONAL DATA AVAILABLE.		
PBT OR VPVB ACCORDING TO ANNEX XIII	No additonal Data Available.		

SECTION 3: COMPOSITION	≤ 95.0 % d-Limonene CAS-No: 5989-27-5; EC No.: 227-813-5
3.2 SUBSTANCES	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% 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 1 - H410
	≤ 0.15% Citral CAS No: 5392-40-5; EC No: 226-394-6 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317
	≤ 0.1% Linalool CAS No: 78-70-6; EC No: 201-134-4 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1B - H317, Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES			
4.1 DESCRIPTION OF FIRST AID MEASURES			
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED	CLOTHING IMMEDIATELY.	
INHALATION		NINATED AREA. BREATHE FRESH AIR. IF BREATHING DIFFICULTIES PERSIST, CONSULT A DOCTOR. IF IN RECOVERY POSITION AND CALL A DOCTOR.	
Ingestion	RINSE MOUTH THOROUGHLY WITH WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. CONSULT A DOCTOR. IF VOMITING OCCURS, KEEP HEAD DOWN TO PREVENT THE PASSAGE OF VOMIT INTO THE LUNGS. IN CASE OF PERSISTENT OR WORSENING SYMPTOMS CONSULT A DOCTOR. IF UNCONSCIOUS, PLACE THE PERSON IN RECOVERY POSITION (SLP) AND CALL A DOCTOR.		
SKIN CONTACT	WASH THE CONTAMINATED SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. WASH THOROUGHLY WITH WATER. BEFORE REMOVING CONTAMINATED CLOTHING WEAR GLOVES.		
EYE CONTACT	RINSE IMMEDIATELY WITH CLEAN WATER OR ANY SOLUTION PROVIDED FOR THIS PURPOSE FOR 15 MINUTES HOLDING THE EYE OPEN. CHECK IF THE VICTIM IS WEARING CONTACT LENSES AND REMOVE IF POSSIBLE. CONSULT OPHTHALMOLOGIST IMMEDIATELY.		
4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	Potential acute health In case of eye contact: In case of contact with skin: In case of contact with skin: If swallowed: If inhaled: Signs / symptoms of overexpo In case of eye contact: In case of contact with skin: If swallowed: If inhaled:	No significant effects or critical hazards. May cause skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. No significant effects or critical hazards. Signs No specific data. Signs / symptoms may include Irritation, redness. No specific data. No specific data.	
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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PERSONAL PROTECTION



8.1 CONTROL PARAMETERS

RECOMMENDED MONITORING PROCEDURES FOR OCCUPATIONAL EXPOSURE LIMIT VALUES

IF THE PRODUCT CONTAINS INGREDIENTS WITH OCCUPATIONAL EXPOSURE LIMITS, IT MAY BE NECESSARY TO TRACK PEOPLE, THE ATMOSPHERE IN THE WORKPLACE TO DETERMINE THE EFFECTIVENESS OF THE VENTILATION OR OTHER MEASURES CONTROL OR THE NECESSITY TO USE PROTECTIVE EQUIPMENT IN THE AIRWAYS. IT IS IMPORTANT TO REFER TO EUROPEAN STANDARD EN 689 FOR METHODS FOR ASSESSING EXPOSURE BY INHALATION TO CHEMICAL AGENTS AND NATIONAL LEGISLATIVE DOCUMENTS RELATING TO METHODS FOR DETERMINING HAZARDOUS SUBSTANCES.

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 WHICH INCREASE EXPOSURE, THE FOLLOWING ENGINEERING	
RESPIRATORY EQUIPMENT	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.	
	NO SPECIAL VENTILATION REQUIREMENTS. GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL EXPOSURE TO	
ENGINEERING MEASURES	AIRBORNE CONTAMINANTS IN THE AIR. IF THIS PRODUCT CONTAINS INGREDIENTS WHICH CONSTRAIN EXPOSURE LIMITS, USE	
ENGINEERING MEASURES	PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER CONTROLS TO KEEP WORKER EXPOSURE BELOW THE LIMITS OF	
	STAKEHOLDERS RECOMMENDED OR LEGAL.	
SKIN PROTECTION	The personal protective equipment for the body should be selected according to the task performed and the	
SKINT ROTECTION	RISKS INVOLVED. IT IS RECOMMENDED TO VALIDATE THE EQUIPMENT BY A SPECIALIST BEFORE HANDLING THIS PRODUCT.	
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	IT IS IMPORTANT TO TEST EMISSIONS FROM VENTILATION SYSTEMS OR MANUFACTURING EQUIPMENT TO ENSURE THEY COMPLY	
ENVIROMENTAL EXPOSURE CONTROLS	WITH LEGISLATIVE REQUIREMENTS ON ENVIRONMENTAL PROTECTION.	

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE	Liquid, red — Orange.
Odour	CHARACTERISTIC.
RELATIVE DENSITY	0.855 @ 20°C
FLASH POINT (°C)	>44°C.
REFRACTIVE INDEX @ 20 °C	APPROX. 1.477 @ 20°C
SOLUBILITY IN WATER @ 20 °C	INSOLUBLE IN WATER
9.2 OTHER INFORMATION	BOILING POINT (°C): >35.0
CECTION 10 C 0 D	

SECTION 10: STABILITY & REACTIVITY

10.1	CORROSION OF METALS:	NO CORROSIVE EFFECT ON METALS EXPECTED.
REACTIVITY	FORMATION OF FLAMMABLE GAS:	WITH WATER, NO FORMATION OF FLAMMABLE GASES.



10.2 CHEMICAL STABILITY	Stable under suggested storage conditions (<15°C).
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	NOT UNDER NORMAL CONDITIONS OF USE.
10.4 CONDITIONS TO AVOID	STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C. AVOID ANY SOURCE OF IGNITION, HEAT, SPARKS OR FLAMES.
10.5 INCOMPATIBLE MATERIALS	NO ADDITIONAL DATA AVAILABLE.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	Under normal conditions of storage and use, hazardous decomposition products should not be formed.

SECTION 11: TOXICOLOGICAL INFORMATION	
11.1 TOXICOLOGICAL EFFECTS	
ACUTE TOXICITY	NOT CLASSIFIED. (BY CALCULATION.)
Skin irritation	Causes Skin Iritation
EYE DAMAGE OR IRRITATION	NOT APPLICABLE.
RESPIRATORY OR SKIN SENSITIVITY	MAY CAUSE AN ALLERGIC SKIN REACTION.
GERM CELL MUTAGENICITY	NOT APPLICABLE.
CARCINOGENICITY	NOT APPLICABLE.
REPRODUCTIVE TOXICITY	NOT APPLICABLE.
STOT – SINGLE EXPOSURE	NOT APPLICABLE.
STOT — REPEATED EXPOSURE	NOT APPLICABLE.
ASPIRATION HAZARD	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
OTHER INFORMATION	NOT APPLICABLE.
	NOT ATTICABLE.
12.1 TOXICITY	AQUATIC LIFE: VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
12.2	THE PRODUCT MUST NOT BE ALLOWED TO RUN INTO DRAINS OR WATERWAYS.
PERSISTENCE & DEGRADABILITY	NO ADDITIONAL DATA AVAILABLE.
12.3 BIO- ACCUMULATIVE POTENTIAL	NO ADDITIONAL DATA AVAILABLE.
12.4 MOBILITY IN SOIL	NO ADDITIONAL DATA AVAILABLE.
12.5	NO ADDITIONAL DATA AVAILABLE.
RESULTS OF PBT & VPVB ASSESSMENT 12.6 OTHER ADVERSE EFFECTS	DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS.
OTHER ADVERSE EFFECTS	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
SECTION 13: DISPOSAL INFORMATION	
13.1 WASTE TREATMENT METHODS	PRODUCT METHODS OF WASTE DISPOSAL IT IS RECOMMENDED TO AVOID OR MINIMIZE WASTE GENERATION. DO NOT DISPOSE OF SIGNIFICANT QUANTITIES OF WASTE PRODUCED VIA THE SEWERS. TREAT THEM IN A WASTEWATER PROCESSING PLANT PROPERLY. REMOVE ALL NON-RECYCLABLE PRODUCTS VIA A LICENSED WASTE COLLECTION. DISPOSING OF THIS PRODUCT, SOLUTIONS AND SUB-PRODUCTS SHOULD, AT ALL TIMES, COMPLY WITH THE LEGAL



REQUIREMENTS OF ENVIRONMENTAL PROTECTION AND DISPOSAL OF WASTES AND THE REQUIREMENTS OF ALL LOCAL AUTHORITIES.

HAZARDOUS WASTE

IT MAY BE THAT THE CLASSIFICATION OF THE PRODUCT MEETS THE CRITERIA OF HAZARDOUS WASTE

PACKAGING

METHODS OF WASTE DISPOSAL

IT IS RECOMMENDED TO AVOID OR MINIMIZE WASTE GENERATION. RECYCLE PACKAGING WASTE.

CONSIDER INCINERATION OR LANDFILLING ONLY IF RECYCLING IS IMPOSSIBLE.

SPECIAL PRECAUTIONS

DISPOSE OF THIS MATERIAL AND ITS CONTAINER IN A SAFE WAY. HANDLE UN-CLEANED EMPTY OR RINSED CONTAINERS WITH CARE. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUES. AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF. AVOID CONTACT WITH SOIL, WATERWAYS, SEWERS AND DRAINAGE

SECTION 14: TRANSPORT INFORMATION	
14.1 TRANSPORT INFORMATION	
UN Number	ROAD: 1197 SEA: 1197 AIR: 1197
14.2 UN Shipping Name	EXTRACTS, AROMATIC, LIQUID.
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 FLAMMABLE 3
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	SEE SECTIONS 6-8. Tunnel restriction code D/E
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	NOT APPLICABLE.
SECTION 15: REGULATORY INFORMATION	
15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION	



	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
EU DIRECTIVES	CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE
I S S MICH VIS	1999/45/EC and repealing council regulation (EEC) No793/93 & commission
	regulation (EC) No 1488/94 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
STATUTORY INSTRUMENTS	No 716).
Approved Code of Practice	Classification & labelling of substances & preparations dangerous for supply. Safety data
APPROVED CODE OF PRACTICE	SHEETS FOR SUBSTANCES & PREPARATIONS.
GUIDANCE NOTES	WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.
15.2	ASSESSMENT HAS NOT BEEN CARRIED OUT AS THIS IS A NON-HAZARDOUS MATERIAL ACCORDING TO
CHEMICAL SAFETY ASSESSMENT	ARTICLE 31 OF REACH 1907/2006.

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. H319: Causes serious eye irritation. 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 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 TH APRIL 2018	Data Launch
November 2020	Review
2021	Review
JANUARY 2023	REVIEW
29/03/2023	CHANGED UN NUMBER