



Material Safety Data Sheet

Section 1: Identification of the substance/mixture and of the company

1.1 Product identification:

Product name:- Grapefruit (White), Essential Oil

Biological Definition:- Citrus Paradisi Peel Oil is the volatile oil expressed from the peel of the Grapefruit, Citrus Paradisi, Rutaceae

Inci Name:- Citrus Paradisi Peel Oil

Synonyms & Trade Names:- -

Cas No:- 8016-20-4 / 90045-43-5

EC no:- Not listed

EINECS No:- Not listed

Date: August 2021

1.2 Details of the supplier of the safety data sheet:

Company Address:- Vilana NB LTD, Unit 22A Dickson Street, Elgin Industrial Estate, Dunfermline KY12 7SL

Email:- vilananb@gmail.com

Emergency Contact:- Vilana Bagdone

Section 2: Hazards Identification

2.1 Classification of the substance or mixture:

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. 1B – H317
ENVIRONMENTAL HAZARDS: AQUATIC CHRONIC 2 – H411 *SEE SECTION 16 FOR OTHER INFORMATION ON PRODUCT CLASSIFICATION

2.2 Label Elements:- Label in accordance with regulation (EC) No 1272/2008

GHS Label:-



Signal Word:- Danger

Contains:- 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.

H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Precautionary Statements:-

P210 KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES.

- NO SMOKING.

P241 USE EXPLOSION-PROOF

ELECTRICAL/VENTILATING/LIGHTING/EQUIPMENT.

P243 TAKE ACTION TO PREVENT STATIC DISCHARGES.

P273 AVOID RELEASE TO THE ENVIRONMENT.

P280 WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.

P301/310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

P303/361/353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.

P331 DO NOT INDUCE VOMITING.

P391 COLLECT SPILLAGE.

P501 DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH APPLICABLE REGULATIONS

Supplementary Precautionary Statements:-

P264 WASH HANDS AND EXPOSED SKIN THOROUGHLY AFTER HANDLING.

2.3 Other Hazards:

Adverse Physio-Chemical Properties:- NO ADDITIONAL DATA AVAILABLE

Adverse Effects On Human Health:- NO ADDITIONAL DATA AVAILABLE

PBT or vPvB According to Annex X111:- 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:

3.1 Substances:- ≤ 99.0% 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. ≤ 3.0% 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 ≤ 0.5% 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 ≤ 0.5% CITRAL CAS NO: 5392-40-5 EC NO: 226-394-6
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:- 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 DOCTOR IF IRRITATION PERSISTS.

EYE CONTACT:- FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT DOCTOR IF SYMPTOMS PERSIST.

4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED):- NO ADDITIONAL DATA AVAILABLE

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED:- TREAT SYMPTOMATICALLY

SECTION 5: FIRE FIGHTING MEASURES:

5.1 EXTINGUISHING MATERIAL:- CO₂, FOAM, DRY CHEMICAL POWDER

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:- A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO HEALTH. DO NOT BREATHE IN SMOKE. 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 ADVICE FOR FIRE-FIGHTERS SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: AVOID INHALATION OF GENERATED FUMES OR VAPOURS. WEAR SELF-CONTAINED BREATHING APPARATUS 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 SECTIONS 4, 7, 8 &13.

SECTION 7: HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE-HANDLING:- AVOID CONTACT WITH SKIN, EYES AND CLOTHING. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USE. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WEAR PERSONAL PROTECTIVE EQUIPMENT. DO NOT BREATHE VAPOURS OR SPRAY MIST. USE ONLY IN AREA PROVIDED WITH ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING EQUIPMENT. USE ONLY NON-SPARKING TOOLS. TAKE NECESSARY ACTION TO AVOID STATIC DISCHARGE AS THIS MIGHT CAUSE IGNITION OF VAPOURS.

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

8.2 EXPOSURE CONTROLS:-



EYE PROTECTION:- WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY GOGGLES. (EN166)

HAND PROTECTION:- WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY GOGGLES. (EN166)

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 REFER TO SECTIONS 2 AND 7.

HYGIENE MEASURES:- GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.

ENGINEERING MEASURES:- PROVIDE ADEQUATE VENTILATION

SKIN PROTECTION:- WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. WORK CLOTHING, WORN BY PERSONNEL, SHOULD BE LAUNDERED REGULARLY. AFTER CONTACT WITH THE PRODUCT, ALL PARTS OF THE BODY, THAT HAVE COME INTO CONTACT WITH THE PRODUCT, MUST BE WASHED THOROUGHLY

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.

ENVIRONMENTAL EXPOSURE CONTROLS:- AVOID DISCHARGING INTO DRAINAGE WATER.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 PHYSICAL & CHEMICAL PROPERTIES:-

APPEARANCE:- LIQUID

COLOUR:- COLOURLESS - DARK YELLOW

ODOUR:- CHARACTERISTIC, TYPICAL FRESH GRAPEFRUIT

RELATIVE DENSITY:- APPROX 0.847 @ 20°C

FLASH POINT (°C):- 43°C

REFRACTIVE INDEX @ 20 °C:- APPROX 1.470 @ 20°C

SOLUBILITY IN WATER @ 20 °C:- INSOLUBLE IN WATER

9.2 OTHER INFORMATION:- 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:- NONE UNDER NORMAL PROCESSING

10.4 CONDITIONS TO AVOID:- KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. PREVENT STORING THE PRODUCT IN OPEN CONTAINERS FOR LONG PERIODS TO PREVENT PRODUCT DETERIORATION.

10.5 INCOMPATIBLE MATERIALS:- AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:- NOT EXPECTED UNDER NORMAL TEMPERATURE CONDITIONS AND RECOMMENDED USE. THERMAL DECOMPOSITION MAY RELEASE/FORM OXIDES OF CARBON (CARBON MONOXIDE, CARBON DIOXIDE) AND OTHER TOXIC GASES..

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:- NOT CLASSIFIED

SKIN IRRITATION:- CAUSES SKIN IRRITATION

EYE DAMAGE OR IRRITATION:- NOT CLASSIFIED

RESPIRATORY OR SKIN SENSITIVITY:- MAY CAUSE ALLERGIC REACTION

GERM CELL MUTAGENICITY:- NOT CLASSIFIED

CARCINOGENICITY:- NOT CLASSIFIED

REPRODUCTIVE TOXICITY:- NOT CLASSIFIED

STOT – SINGLE EXPOSURE:- NOT CLASSIFIED

STOT – REPEATED EXPOSURE:- NOT CLASSIFIED

ASPIRATION HAZARD:- MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS

OTHER INFORMATION:- NO ADDITIONAL DATA AVAILABLE

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY:- BASED ON REACH DATA PRODUCT IS TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

12.2 PERSISTENCE & DEGRADABILITY:- THIS MATERIAL IS CONSIDERED READILY BIODEGRADABLE, THEREFORE DOES NOT FULFIL THE CRITERIA FOR PERSISTENCE.

12.3 BIO- ACCUMULATIVE POTENTIAL:- AS THE CONSTITUENTS ARE READILY BIODEGRADABLE, IT IS LIKELY THAT THEY WILL BE BIOTRANSFORMED IN HIGHER ORGANISMS SO A HIGH BIOACCUMULATION FACTOR IS NOT EXPECTED.

12.4 MOBILITY IN SOIL:- NO ADDITIONAL DATA AVAILABLE

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

13.1 WASTE TREATMENT METHODS:- PROPER WASTE MANAGEMENT OF THE SUBSTANCE AND/OR ITS CONTAINER MUST BE DETERMINED IN ACCORDANCE WITH DIRECTIVE 2008/98/EC. DO NOT POUR 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. GIVE TO A CERTIFIED DISPOSAL CONTRACTOR.

SECTION 14: TRANSPORT INFORMATION

14.1 TRANSPORT INFORMATION:- ROAD: 1169 RAIL: 1169 AIR: 1169

14.2 UN SHIPPING NAME:- EXTRACTS, AROMATIC, LIQUID

14.3 TRANSPORT HAZARD CLASS(EADR/RID ADR/RID – CLASS 9 ADR CLASSIFICATION CODE – ADR/RID ADR/RID– CLASS 3 ADR CLASSIFICATION CODE – F1 SPECIAL PROVISIONS – 601 604E LIMITED QUANTITIES – 5L 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 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: 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:- REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18TH 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.

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.

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.

H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

OTHER INFORMATION:- *THE CLP ADDITIVE CALCULATION CLASSIFIES PRODUCT AS: H400 AQUATIC ACUTE 1 H410 AQUATIC CHRONIC 1 BASED ON REACH DATA PRODUCT IS CLASSIFIED AS AQUATIC CHRONIC 2 – H411