



Material Safety Data Sheet

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

1.1 Product identification:

Product name:- Lemongrass, Essential Oil

Biological Definition:- cymbopogon Citratus Leaf Oil is an essential oil obtained from the leaves of the Lemongrass, Cymbopogon Citratus, Poaceae. It contains citral (75-85%), methylheptenone, citronellal, geraniol, limonene.

Inci Name:- Cymbopogon Citratus Leaf Oil

Synonyms & Trade Names:- -

Cas No:- 89998-14-1

EC no:- 289-752-0

EINECS No:- 289-752-0

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 AND CHEMICAL HAZARDS: NOT CLASSIFIED. HUMAN HEALTH ASP: SKIN IRRIT. 2 - H315; EYE DAM. 1 - H318;SKIN SENS. 1 - H317 ENVIRONMENT: AQUATIC CHRONIC 2 - H411

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

GHS Label:-



Signal Word:- Danger

Contains:- CITRAL, GERANIOL

Hazards Statement:- H315 CAUSES SKIN IRRITATION.

H317 MAY CAUSE AN ALLERGIC SKIN REACTION.

H318 CAUSES SERIOUS EYE DAMAGE.

H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Precautionary Statements:-

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.

P261 AVOID BREATHING VAPOUR/SPRAY.

P264 WASH CONTAMINATED SKIN THOROUGHLY AFTER HANDLING.

P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

Supplementary Precautionary Statements:- P302+352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

P310 IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

P332+313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION.

P333+313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.

P362 TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

P363 WASH CONTAMINATED CLOTHING BEFORE REUSE.

P391 COLLECT SPILLAGE.

P321 SPECIFIC TREATMENT (SEE MEDICAL ADVICE ON THIS LABEL).

P501 DISPOSE OF CONTENTS/CONTAINER TO ...

2.3 Other Hazards:

Adverse Physio-Chemical Properties:- NO DATA

Adverse Effects On Human Health:- NO DATA

PBT or vPvB According to Annex X111:- NO DATA

Section 3: Composition of Ingredients:

3.1 Substances:- 70.0 – 72.0% CITRAL CAS-NO.: 5392-40-5 EC NO.: 226-394-6 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319, SKIN SENS. 1 - H317 7.0 – 8.0% GERANIOL CAS-NO.: 106-24-1 EC NO.:

203-377-1 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE DAM. 1 - H318, SKIN SENS. 1 - H317 0.5 – 0.7% LIMONENE CAS-NO.: 5989-27-5 EC NO.: 227-813-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304 AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410 1.0 – 1.2% 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 <1.0% 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 ≤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 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 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):-

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:- CO₂, FOAM, 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: 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 SECTIONS 8 & 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:- LINALOOL (CAS: 78-70-6) INGREDIENT COMMENTS: NO EXPOSURE LIMITS NOTED FOR INGREDIENT(S). EUGENOL (CAS: 97-53-0) INGREDIENT COMMENTS: WEL = WORKPLACE EXPOSURE LIMITS

8.2 EXPOSURE CONTROLS:-



EYE PROTECTION:- 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 REFER TO SECTIONS 2 AND 7.

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.

ENVIRONMENTAL EXPOSURE CONTROLS:- AVOID DISCHARGING INTO DRAINAGE WATER. ONLY ELIMINATE BY AUTHORISED COMPANIES.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 PHYSICAL & CHEMICAL PROPERTIES:-

APPEARANCE:- LIQUID

COLOUR:- CLEAR YELLOW - YELLOW

ODOUR:- CHARACTERISTIC,

RELATIVE DENSITY:- APPROX 0.899 @ 20°C

FLASH POINT (°C):- 71.0 - 85.0°C

SOLUBILITY IN WATER @ 20 °C:- 1:10 V/V ETHANOL 90%

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.

10.2 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:- P.V.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:

ACUTE TOXICITY:- NO DATA

SKIN IRRITATION:- MAY CAUSE SENSITIZATION BY SKIN CONTACT.

EYE DAMAGE OR IRRITATION:- SPRAY AND VAPOUR IN THE EYES MAY CAUSE IRRITATION AND SMARTING

RESPIRATORY OR SKIN SENSITIVITY:- IN HIGH CONCENTRATIONS, VAPOURS MAY IRRITATE THROAT AND RESPIRATORY SYSTEM AND CAUSE COUGHING

GERM CELL MUTAGENICITY:- NEGATIVE. (SOURCE CSR)..

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 (H304).

OTHER INFORMATION:- TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY:- DANGEROUS FOR THE ENVIRONMENT: MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

12.2 PERSISTENCE & DEGRADABILITY:- NO DATA

12.3 BIO- ACCUMULATIVE POTENTIAL:- NO DATA

12.4 MOBILITY IN SOIL:- NO DATA

12.5 RESULTS OF PBT & VPVB ASSESSMENT:- NO DATA

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:- ALWAYS RECOVER SPILLED PRODUCT. DISCARD WASTE MATERIAL WITH AUTHORISED WASTE MANAGEMENT SERVICES. ACT IN ACCORDANCE WITH LOCAL & NATIONAL WASTE REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

14.1 TRANSPORT INFORMATION:- ROAD: 3082 RAIL: 3082 AIR: 3082

14.2 UN SHIPPING NAME:- ENVIRONMENTALLY HAZARDOUS SUBSTANCE, N.O.S.

14.3 TRANSPORT HAZARD CLASS(EADR/RID ADR/RID – CLASS 9 ADR CLASSIFICATION CODE – ADR/RID/ADN CLASS: 9 MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES. IMDG CLASS: 9 MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES. ICAO CLASS/DIVISION: 9 MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES.

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 EMERGENCY ACTION CODE 3Z 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:- 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 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:- NO DATA

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.

H318: CAUSES SERIOUS EYE DAMAGE.

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:- NO ADDITIONAL DATA AVAILABLE