



Material Safety Data Sheet

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

1.1 Product identification:

Product name:- Lemon, Essential Oil

Biological Definition:- Citrus Limon Peel Oil is the volatile oil obtained by cold compression of the fresh peel of the Lemon, Citrus Limon (L), Rutaceae

Inci Name:- Citrus Limon Peel Oil

Synonyms & Trade Names:- -

Cas No:- 8008-56-8 / 84929-31-7

EC no:- 284-515-8

EINECS No:- 284-515-8

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):-

ASPIRATION TOXICITY CATEGORY 1 - (H304)
SKIN CORROSION/IRRITATION CATEGORY 2 -
(H315) SERIOUS EYE DAMAGE/EYE
IRRITATION CATEGORY 2 - (H319) SKIN
SENSITIZATION CATEGORY 1B - (H317)
REPRODUCTIVE TOXICITY CATEGORY 2 -
(H361) ACUTE AQUATIC TOXICITY CATEGORY
1 - (H400) CHRONIC AQUATIC TOXICITY
CATEGORY 1 - (H410) FLAMMABLE LIQUIDS
CATEGORY 3 - (H226)

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

GHS Label:-



Signal Word:- Danger

Contains:- D-LIMONENE, BETA-PINENE, GAMMA-TERPINENE, PINENE ALPHA, LAEVO

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

H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD

H410 - VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

H226 - FLAMMABLE LIQUID AND VAPOR CONTAINS NERYL ACETATE, DEXTRO ALPHA-PINENE, ALPHA-PINENE, GERANYL ACETATE EUH208 - CONTAINS (.?). MAY PRODUCE AN ALLERGIC REACTION

Precautionary Statements:-

P210 - KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING

P201 - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE

P202 - DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD

P280 - WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION

P308 + P313 - IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION

P301 + P310 - IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR

P331 - DO NOT INDUCE VOMITING

P302 + P352 - IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER

P333 + P313 - IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION

P305 + P351 + P338 - IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING

P337 + P313 - IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION

P263 - AVOID CONTACT DURING PREGNANCY/WHILE NURSING

P273 - AVOID RELEASE TO THE ENVIRONMENT

P501 - DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL, AND INTERNATIONAL REGULATIONS AS APPLICABLE
Supplementary Precautionary Statements:- NO DATA

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:- ≤ 60 – 70 % D-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, M FACTOR (ACUTE) = 1. M FACTOR (CHRONIC) = 1
10 – 20 % BETA-PINENE CAS NO: 127-91-3 EC NO: - CLASSIFICATION (EC 1272/2008) ACUTE AQUATIC 1 (H400) (EFFA) CHRONIC AQUATIC 1 (H410) (EFFA) SKIN SENS. 1 (H317) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ASP. TOX. 1 (H304) (EFFA) FLAM. LIQ. 3 (H226)(EFFA)
1 – 10 % GAMMA-TERPINENE CAS NO: 99-85-4 EC NO: - CLASSIFICATION (EC 1272/2008) REP 2 (H361), FLAM. LIQ. 3, ASPIR HAZ. 1 (H304), ACUTE TOX 5 (H303), SKIN IRRIT. 3 (H316) 1 - 10% CITRAL CAS NO: 5392-40-5 EC NO: 226-394-6 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317
1 – 10 % PINENE ALPHA, LAEVO CAS NO: 7785-26-4 EC NO: - CLASSIFICATION (EC 1272/2008) ASP 1 (H304), ACUTE TOX 4 (H302), SKIN IRR 2 (H315), SKIN SENS 1 (H317), ACUTE AQUATIC 1 (H400), CHRONIC AQUATIC 1 (H410)
1 – 10 % MYRCENE CAS NO: 123-35-3 EC NO: - CLASSIFICATION (EC 1272/2008) EYE IRRIT. 2 (H319)(EFFA) SKIN IRRIT. 2(H315) (EFFA) ASP.TOX. 1 (H304) (EFFA)FLAM. LIQUID 3 (H226) (EFFA) ACUTE AQUATIC 1 (H400) (EFFA) CHRONIC AQUATIC 2 (H411) (EFFA)
0.1 – 1.0 % NERYL ACETATE CAS NO: 141-12-8 EC NO: - CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 2 (H401), SKIN SENS. 1B (H317) 0.1 – 1.0 % DEXTRO ALPHA-PINENE CAS NO: 7785-70-8 EC NO: - CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B (H317) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ASP. TOX. 1 (H304) (EFFA) ACUTE TOX. 5 (H303)(EFFA) FLAM. LIQ. 3 (H226)(EFFA) ACUTE AQUATIC 1 (H400) (EFFA) CHRONIC AQUATIC 1 (H410) (EFFA)
0.1 – 1.0 % ALPHA-TERPINEOL CAS NO: 98-55-5 EC NO: - CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 2. (H401) (EFFA) EYE IRRIT. 2 (H319) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ACUTE TOX. 5 (H303)(EFFA) FLAM. LIQ. 4 (H227)(EFFA)
0.1 – 1.0 % ALPHA-PINENE CAS NO: 80-56-8 EC NO: - CLASSIFICATION (EC 1272/2008) ACUTE AQUATIC 1 (H400) (EFFA) CHRONIC AQUATIC 1 (H410) (EFFA) ACUTE TOX. 4 (H302) (EFFA) SKIN SENS. 1B (H317) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ASP. TOX. 1 (H304) (EFFA) FLAM. LIQ. 3 (H226)(EFFA)
0.1 – 1.0 % GERANYL ACETATE CAS NO: 105-87-3 EC NO: - CLASSIFICATION (EC 1272/2008) SKIN

SENS. 1B (H317) SKIN IRRIT. 2 (H315) AQUATIC CHRONIC 3 (H412) AQUATIC ACUTE 2 (H401) 0.1-1.0 % SABINENE CAS NO: 3387-41-5 EC NO: - CLASSIFICATION (EC 1272/2008) ASPIRATION CAT 1 (H304), FLAM CAT 3 (H226), SKIN IRRIT. 2 (H315), SKIN SENSI CAT 1B (H317), ACUTE AQUATIC CAT 1 (H400), CHRONIC AQUATIC CAT 1 (H410) 0.1 – 1.0% LINALOOL CAS NO: 78-70-6 EC NO: - CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 3 (H402) (EFFA) EYE IRRIT. 2 (H319) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ACUTE TOX. 5 (H303)(EFFA) FLAM. LIQ. 4 (H227)(EFFA) SKIN SENS. 1B (H317)(EFFA) 0.1- 1.0 % TERPINOLENE CAS NO: 586-62-9 EC NO: - CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 1 (H400) (EFFA) EFFA) AQUATIC CHRONIC 1 (H410) (EFFA) ASP.TOX. 1 (H304) (EFFA) ACUTE TOX. 5 (H303)(EFFA) FLAM. LIQ. 4 (H227)(EFFA) SKIN IRRIT. 3 (H316) (EFFA) SKIN SENS. 1 (H317) (EFFA) 0.1 -1.0 % EUCALYPTOL CAS NO: 470-82-6 EC NO: - CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 3 (H316) (EFFA) ACUTE TOX. 5 (H303)(EFFA) FLAM. LIQ. 3 (H226)(EFFA) SKIN SENS. 1B (H317) (EFFA) 0.1 – 1.0 % CARYOPHYLLENE CAS NO: 87-44-5 EC NO: - CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B (H317) (EFFA) ASP. TOX. 1 (H304) (EFFA) CHRONIC AQUATIC 4 (H413) (EFFA) 0.01 – 0.1 % DELTA-3-CARENE CAS NO: 13466-78-9 EC NO: - CLASSIFICATION (EC 1272/2008) SKIN SENS. 1 (H317) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ASP. TOX. 1 (H304) (EFFA) ACUTE TOX. 5 (H303)(EFFA) FLAM. LIQ. 3 (H226)(EFFA) ACUTE AQUATIC 1 (H400)(EFFA) CHRONIC AQUATIC 1 (H410) (EFFA) 0.01 – 0.1 % PARA-CYMENE CAS NO: 99-87-6 EC NO: - CLASSIFICATION (EC 1272/2008) REP TOX. 2 (H361), AQUATIC ACUTE 2 (H401), SKIN IRRIT. 3 (H316), AQUATIC CHRONIC 2 (H411), ASP. TOX. 1 (H304), ACUTE TOX. 5 (H303),FLAM. LIQ. 3 (H226) 0.01 – 0.1 % TRANS BETA-OCIMENE CAS NO: 3779-61-1 EC NO: - CLASSIFICATION (EC 1272/2008) ACUTE TOX. 5 (H303) (EFFA) ASP. TOX. 1 (H304) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ACUTE AQUATIC 1 (H400) (EFFA) CHRONIC AQUATIC 2 (H411) (EFFA) FLAM. LIQ. 3 (H226) (EFFA) 0.01 – 0.1 % ALPHA-PHELLANDRENE CAS NO: 99-83-2 EC NO: - CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 3 (H316) (EFFA) ASP. TOX. 1 (H304) (EFFA) FLAM. LIQ. 3 (H226)(EFFA) 0.1 – 1.0 % BETA-BISABOLENE CAS NO: 495-61-4 EC NO: - CLASSIFICATION (EC 1272/2008) SKIN SENS. 1 (H317) (EFFA) SKIN IRRIT. 2 (H315) (EFFA) ASP. TOX. 1 (H304) (EFFA) < 0.01% GERANIOL CAS NO: 106-24-1 EC NO: - CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B (H317) SKIN IRRIT. 2 (H315) EYE DAM. 1 (H318) AQUATIC ACUTE 3 (H402) ACUTE TOX. 5 (ORAL)(H303) < 0.01% CITRONELLAL CAS NO: 106-23-0 EC NO: - CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 4 (H227)(EFFA) ACUTE TOX. 5 (H303)(EFFA) ACUTE TOX. 5 (H313)(EFFA) SKIN IRRIT. 2 (H315)(EFFA) EYE IRRIT. 2A (H319)(EFFA) SKIN SENS. 1B (H317)(EFFA) AQUATIC ACUTE 2 (H401)(EFFA)

SECTION 4: FIRST AID MEASURES:

4.1 DESCRIPTION OF FIRST AID MEASURES:-

GENERAL INFORMATION - ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.

INHALATION:- IMMEDIATE MEDICAL ATTENTION IS NOT REQUIRED. IF SYMPTOMS PERSIST, CALL A PHYSICIAN. MOVE TO FRESH AIR IN CASE OF ACCIDENTAL INHALATION OF VAPORS OR DECOMPOSITION PRODUCTS.

INGESTION:- CLEAN MOUTH WITH WATER AND DRINK AFTERWARDS PLENTY OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN. ***DO NOT INDUCE VOMITING***

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 DATA

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 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:- NO DATA FOR EU AND UK. REQUEST INFO IF NEEDED FOR ALL OTHER COUNTRIES

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 - YELLOW - GREEN

ODOUR:- CHARACTERISTIC, LEMON

RELATIVE DENSITY:- APPROX 0.848 - 0.861 @ 25°C

FLASH POINT (°C):- 48°C

REFRACTIVE INDEX @ 20 °C:- APPROX 1.4710 - 1.4760 @ 20°C

SOLUBILITY IN WATER @ 20 °C:- NO DATA

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:- NONE UNDER NORMAL PROCESSING

10.4 CONDITIONS TO AVOID:- HEAT FLAMES AND SPARKS

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:- THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT ATEMIX (ORAL) >2,000.00 MG/KG ATEMIX (DERMAL) >5,000.00 MG/KG 90.4487 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE DERMAL TOXICITY. 95.5488 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (GAS) 95.5488 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (VAPOR) 95.5488 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (DUST/MIST)

SKIN IRRITATION:- IRRITATING TO SKIN

EYE DAMAGE OR IRRITATION:- CAUSES SERIOUS EYE IRRITATION

RESPIRATORY OR SKIN SENSITIVITY:- MAY CAUSE SENSITISATION BY SKIN CONTACT

GERM CELL MUTAGENICITY:- NOT CLASSIFIED

CARCINOGENICITY:- NOT CLASSIFIED

REPRODUCTIVE TOXICITY:- SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. CONTAINS A KNOWN OR SUSPECTED REPRODUCTIVE TOXIN, GAMMA-TERPIN, PARA-CYMENE

STOT – SINGLE EXPOSURE:- NOT CLASSIFIED

STOT – REPEATED EXPOSURE:- NOT CLASSIFIED

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

OTHER INFORMATION:- NO DATA

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:- NO ADDITIONAL INFORMATION AVAILABLE

12.3 BIO- ACCUMULATIVE POTENTIAL:- NO ADDITIONAL INFORMATION AVAILABLE

12.4 MOBILITY IN SOIL:- NO ADDITIONAL INFORMATION AVAILABLE

12.5 RESULTS OF PBT & VPVB ASSESSMENT:- NO ADDITIONAL INFORMATION AVAILABLE

12.6 OTHER ADVERSE EFFECTS:- NO ADDITIONAL INFORMATION AVAILABLE

SECTION 13: DISPOSAL INFORMATION

13.1 WASTE TREATMENT METHODS:- THE CONTAINERS USED FOR THIS PRODUCT MUST BE COMPLETELY EMPTY BEFORE DISPOSAL. DISPOSE PRODUCT AND / OR CONTAMINATED PACKAGING IN ACCORDANCE WITH LOCAL AND INTERNATIONAL REGULATIONS. DISPOSAL THROUGH THE WASTE WATER IS ILLEGAL.

SECTION 14: TRANSPORT INFORMATION

14.1 TRANSPORT INFORMATION:- ROAD: 1993 RAIL: 1993 AIR: 1993

14.2 UN SHIPPING NAME:- FLAMMABLE LIQUID

14.3 TRANSPORT HAZARD CLASS(EADR/RID ADR/RID – CLASS 9 ADR CLASSIFICATION CODE – IMDG 14.1 UN/ID NO 1993 14.2 PROPER SHIPPING NAME FLAMMABLE LIQUID, N.O.S. 14.3 HAZARD CLASS 3 14.4 PACKING GROUP III DESCRIPTION (LIMONENE) 14.5 MARINE POLLUTANT THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED AS A MARINE POLLUTANT ACCORDING TO IMDG/IMO ENVIRONMENTAL HAZARD YES 14.6 SPECIAL PROVISIONS 223, 274, 955 EMS-NO F-E, S-E 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE IBC03 RID 14.1 UN/ID NO 1993 14.2 PROPER SHIPPING NAME FLAMMABLE LIQUID, N.O.S. 14.3 HAZARD CLASS 3 14.4 PACKING GROUP III DESCRIPTION (LIMONENE) 14.5 ENVIRONMENTAL HAZARD YES 14.6 SPECIAL PROVISIONS NONE ADR 14.1 UN/ID NO 1993 14.2 PROPER SHIPPING NAME FLAMMABLE LIQUID, N.O.S. 14.3 HAZARD CLASS 3 LABELS 3 14.4 PACKING GROUP III DESCRIPTION (LIMONENE) 14.5 ENVIRONMENTAL HAZARD YES 14.6 SPECIAL PROVISIONS 274, 601 CLASSIFICATION CODE F1 TUNNEL RESTRICTION CODE (D/E) ICAO (AIR) 14.1 UN/ID NO 1993 14.2 PROPER SHIPPING NAME FLAMMABLE LIQUID, N.O.S 14.3 HAZARD CLASS 3 14.4 PACKING GROUP III DESCRIPTION (LIMONENE) 14.5 ENVIRONMENTAL HAZARD YES 14.6 SPECIAL PROVISIONS NONE IATA 14.1 UN/ID NO 1993 14.2 PROPER SHIPPING NAME FLAMMABLE LIQUID, N.O.S. 14.3 HAZARD CLASS 3 14.4 PACKING GROUP III DESCRIPTION (LIMONENE) 14.5 ENVIRONMENTAL HAZARD YES 14.6 SPECIAL PROVISIONS A3 ERG CODE 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: CONTAINS CONSTITUENTS THAT ARE FLAMMABLE & DANGEROUS TO THE ENVIRONMENT

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:- 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 VAPOR

H227 - COMBUSTIBLE LIQUID

H302 - HARMFUL IF SWALLOWED

H303 - MAY BE HARMFUL IF SWALLOWED

H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS

H313 - MAY BE HARMFUL IN CONTACT WITH SKIN

H315 - CAUSES SKIN IRRITATION

H316 - CAUSES MILD SKIN IRRITATION

H317 - MAY CAUSE AN ALLERGIC SKIN REACTION

H319 - CAUSES SERIOUS EYE IRRITATION

H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD

H400 - VERY TOXIC TO AQUATIC LIFE

H401 - TOXIC TO AQUATIC LIFE

H402 - HARMFUL TO AQUATIC LIFE

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

H413 - MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE

OTHER INFORMATION:- NO ADDITIONAL DATA AVAILABLE