



## Material Safety Data Sheet

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

#### 1.1 Product identification:

**Product name:-** Rose Geranium, Essential Oil

**Biological Definition:-** Pelargonium Graveolens Flower Oil is the volatile oil obtained from the flowers of the geranium, pelargonium graveolens (L.), geraniaceae.

**Inci Name:-** Pelargonium Graveolens Flower

**Synonyms & Trade Names:-** Geranium Rose Oil

**Cas No:-** 90082-51-2 / 8000-46-2

**EC no:-** 290-140-0

**EINECS No:-** 290-140-0

**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](mailto: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 SKIN IRRIT 2 - H315, EYE DAM 1 - H318, SKIN SENS 1 - H317, ASP TOX 1 - H304, ENVIRONMENT NOT CLASSIFIED.

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

**GHS Label:-** GHS07  GHS05 

**Signal Word:-** Danger

**Contains:-** GERANIOL

**Hazards Statement:-** H315 CAUSES SKIN IRRITATION.

H317 MAY CAUSE AN ALLERGIC SKIN REACTION.

H318 CAUSES SERIOUS EYE DAMAGE.

H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

**Precautionary Statements:-**

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

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

P310 IMMEDIATELY CALL A POISON CENTER/DOCTOR.

P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION

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

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

P362+P364 TAKE OFF CONTAMINATED CLOTHING. AND WASH IT BEFORE REUSE.

P302+P352 IF ON SKIN: WASH WITH PLENTY OF WATER.

P273 AVOID RELEASE TO THE ENVIRONMENT.

**Supplementary Precautionary Statements:-**

P264 WASH HANDS AND EXPOSED SKIN THOROUGHLY AFTER HANDLING.

P332+P313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION

**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:-** 39.61% CITRONELLOL CAS-NO: 106-22-9 EC NO: 203-375-0 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, EYE IRRIT. 2 – H319 19.18% GERANIOL CAS-NO: 106-24-1 EC NO: 203-377-1 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, EYE DAM. 1 - H318 11.0% LINALOOL CAS-NO: 78-70-6 EC NO: 201-134-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315

4.32% MENTHONE CAS-NO: 89-80-5 EC NO: 201-941-1 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, AQUATIC CHRONIC 3 - H412 4.10% GERANYL ACETATE CAS-NO: 105-87-3 EC NO: 203-341-5 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 – H315, SKIN SENS. 1 – H317, AQUATIC CHRONIC 3 – H412 1.55% TERPINEOL CAS-NO: 8000-41-7 EC NO: 232-268-1 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319 0.48% MENTHOL CAS-NO:

89-78-1 EC NO: 201-939-0 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319 0.2% 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 0.42% 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 SENS. 1 - H317, SKIN IRRIT. 2 - H315 - AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410 1.0% CITRAL CAS NO: 5392-40-5 EC NO: 226-394-6 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, EYE IRRIT. 2 - H319 0.40% ALPHA - PINENE CAS NO: 80-56-8 EC NO: 201-291-9 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, AQUATIC ACUTE 1 - H400, , AQUATIC CHRONIC 1 - H410 0.05% 1,4-CINEOLE CAS NO: 470-67-7 EC NO: 207-428-9 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226 0.05% 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 0.05% MENTHYL ACETATE CAS NO: 89-48-5 EC NO: 201-911-8 CLASSIFICATION (EC 1272/2008) AQUATIC CHRONIC 2 - H411 0.02% BETA CARYOPHYLLENE CAS NO:87-44-5 EC NO: 201-746-1 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304 0.02% PULEGONE CAS NO: 15932-80-6 EC NO: 240-070-1 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302

#### **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):-**  
SYMPTOMS CONTACT MAY CAUSE AN ALLERGIC REACTION

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

#### **SECTION 5: FIRE FIGHTING MEASURES:**

**5.1 EXTINGUISHING MATERIAL:-** FOAM, CO<sub>2</sub>, 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. AVOID INHALATION.

**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. COVER WITH AN INERT, INORGANIC, NON-COMBUSTIBLE ABSORBENT MATERIAL (E.G DRY-LIME, SAND, SODA ASH).

**6.4 REFERENCES TO OTHER SECTIONS:-** REFER & CONSIDER SECTION 12

## **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:-**  
STORAGE CLASS: FLAMMABLE LIQUID STORAGE. STORE ONLY IN THE ORIGINAL RECEPTACLE. KEEP CONTAINER TIGHTLY SEALED. KEEP IN COOL, DRY, VENTILATED STORAGE AND CLOSED CONTAINERS. KEEP AWAY FROM HEAT.

**7.3 SPECIFIC END USE(S):-** RISK MANAGEMENT METHODS (RMM) THE INFORMATION REQUIRED IS CONTAINED IN THIS MATERIAL SAFETY DATA

## SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

**8.1 CONTROL PARAMETERS:-** OCCUPATIONAL EXPOSURE LIMITS: ACGIH TLV (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, THRESHOLD LIMIT VALUES, 2010) : CAS TWA STEL CEILING DEFINITION CRITERIA 80-56-8 20 PPM - -

### 8.2 EXPOSURE CONTROLS:-



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

**HAND PROTECTION:-** AVOID CONTACT WITH SKIN. WASH HANDS BEFORE BREAKS AND AT END OF WORK. WEAR PROTECTIVE GLOVES. DIN/EN 374. THE GLOVE MATERIAL HAS TO BE IMPERMEABLE AND RESISTANT TO THE PRODUCT/ THE SUBSTANCE/ THE PREPARATION. PENETRATION TIME OF GLOVE MATERIAL: THE EXACT BREAK THROUGH TIME HAS TO BE FOUND OUT BY THE MANUFACTURER OF THE PROTECTIVE GLOVES AND HAS TO BE OBSERVED.

**RESPIRATORY EQUIPMENT:-** DO NOT INHALE GASES / FUMES / AEROSOLS. CERTIFIED RESPIRATORY PROTECTIVE DEVICE RECOMMENDED.

**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.

## SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

### 9.1 PHYSICAL & CHEMICAL PROPERTIES:-

**APPEARANCE:-** LIQUID

**COLOUR:-** YELLOW - YELLOW GREEN

**ODOUR:-** CHARACTERISTIC

**RELATIVE DENSITY:-** APPROX 0.885 @ 20°C

**FLASH POINT (°C):- 86°C**

**REFRACTIVE INDEX @ 20 °C:- APPROX 1.465 @ 20°C**

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

**9.2 OTHER INFORMATION:- NO DATA**

## **SECTION 10: STABILITY & REACTIVITY**

**10.1 REACTIVITY:- NOT APPLICABLE**

**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:- STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C.**

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

**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 AND SMOKE AND CARBON MONOXIDE.**

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1 TOXICOLOGICAL EFFECTS:**

**ACUTE TOXICITY:- THERE IS NO DATA AVAILABLE ON THIS PRODUCT. IT MUST BE CONSIDERED AND HANDLED AND SHOULD BE DEALT WITH THE HIGHEST POSSIBLE CAUTION.**

**SKIN IRRITATION:- MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.**

**EYE DAMAGE OR IRRITATION:- MAY CAUSE EYE IRRITATION.**

**RESPIRATORY OR SKIN SENSITIVITY:- NO DATA.**

**GERM CELL MUTAGENICITY:- NO DATA**

**CARCINOGENICITY:- NO DATA.**

**REPRODUCTIVE TOXICITY:- NO DATA**

**STOT – SINGLE EXPOSURE:- NO DATA**

**STOT – REPEATED EXPOSURE:- NO DATA**

**ASPIRATION HAZARD:- MAY BE FATAL IF INHALED**

**OTHER INFORMATION:- NO DATA.**

## **SECTION 12: ECOLOGICAL INFORMATION**

**12.1 TOXICITY:- NO DATA ON POSSIBLE ENVIRONMENTAL EFFECTS HAVE BEEN FOUND. NO DATA ON POSSIBLE ENVIRONMENTAL EFFECTS HAVE BEEN FOUND..**

**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:- NO DATA**

### **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:- NOT REGULATED**

**14.2 UN SHIPPING NAME:- NOT SUBJECT TO ADR REGULATIONS**

**14.3 TRANSPORT HAZARD CLASS(ES):- NOT SUBJECT TO ADR REGULATIONS**

**TRANSPORT LABELS:- NONE**

**14.4 PACKING GROUP:- NONE**

**14.5 ENVIRONMENTAL HAZARDS:- NO DATA**

**14.6 SPECIAL PRECAUTIONS FOR USER EMS: SEE SECTIONS 6-8**

**14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE:- NONE**

### **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 DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR 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.

H302 HARMFUL IF SWALLOWED.

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.

H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS