

Material Safety Data Sheet

EU Regulation: 2020/878

SECTION 1: IDENTIFICATION OF	THE SUBSTANCE	E/MIXTURE AI	ND OF THE COMP	ANY/UNDERTAKING	
I.1 PRODUCT IDENTIFICATION			A		
PRODUCT NAME	GERANIUM EGYPTIAN, ESSENTIAL OIL				
BIOLOGICAL DEFINITION	THE VOLATILE OIL OBTAINED BY THE STEAM DISTILLATION OF THE FLOWERING HERB PELARGONIUM GRAVEOLENS.				
INCI NAME	PELARGONIUM GRAVEOLENS FLOWER OIL				
SYNONYMS & TRADE NAMES	-				
INTERNAL PRODUCT CODE	K0199				
CAS-No	90082-51-2 / 8000-46-2	EC No.	290-140-0	EINECS No.	290-140-0
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
COMPANY ADDRESS	O&3 Unit 2, Athelstan Business Park, Hanwell Lane, Hutton Conyers, Ripon, HG4 5BF, England.				
EMAIL	TECHNICALCREW@OAND3.COM				
.3 DETAILS OF THE SUPPLIER OF THE SAFETY DAT	A SHEET				
EMERGENCY CONTACTS	(07968 200167)				



SECTION 2: HAZARDS IDENTIFICATION		
2.1		
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.	
	PHYSICAL AND CHEMICAL HAZARDS NOT CLASSIFIED.	
CLASSIFICATION (EU1272/2008)	HUMAN HEALTH SKIN İRRIT. 2 - H315, SKIN SENS. 1 - H317, EYE İRRIT. 2 – H319	
CLASSIFICATION (EUT 27 2/2008)	ENVIRONMENT NOT CLASSIFIED.	
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.	
GHS LABEL	GHS07	
Signal Word	Warning	
Contains	CITRONELLOL	
	H315 CAUSES SKIN IRRITATION.	
HAZARDS STATEMENT	H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION.	
Precautionary Statements	P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P302+P352 IF ON SKIN: WASH WITH PLENTY OF 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 P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION.	
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P264 Wash hands and exposed skin thoroughly after handling. P362+P364 Take off contaminated clothing and wash it before reuse.	
	SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.	
2.3 OTHER HAZARDS		
ADVERSE PHYSIO-CHEMICAL PROPERTIES	NO DATA.	
Adverse effects on human health	NO DATA.	
PBT OR VPVB ACCORDING TO ANNEX XIII	No Data.	
SECTION 3: COMPOSITION OF INGREDIENTS		
	≤43% 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	
	≤20% 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	
3.1 SUBSTANCES	≤11% LINALOOL CAS NO: 78-70-6 EC NO: 201-134-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, EYE IRRIT. 2 - H319	
	1 – 10% Citronellyl Formate CAS No: 105-85-1 EC No: 203-338-9 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317	



1 – 10% D,L-ISOMENTHONE CAS NO: 491-07-6 EC NO: 207-727-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 – H315, SKIN SENS. 1 – H317

1 – 10% GERANYL FORMATE CAS NO: 105-86-2 EC NO: 203-339-4 CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410

1 - 10% MENTHONE CAS NO: 10458-14-7 EC NO: 233-944-9 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 – H315, SKIN SENS. 1 - H317

1 – 5% BETA-CARYOPHYLLENE CAS NO: 87-44-5 EC NO: 201-746-1 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304, SKIN SENS. 1B - H317, AQUATIC CHRONIC 4 –H413

<5% 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

<2.5% CIS-ROSE OXIDE CAS NO: 16409-43-1 EC NO: 240-457-5</p>
CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2-H315, EYE IRRIT. 2-H319, REPR. 2-H361

<1.0% ALPHA-PINENE CAS NO: 80-56-8 EC NO: 201-291-9</p>
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% D-LIMONENE CAS NO: 5989-27-5 EC NO: 227-813-5</p>
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

<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	DO NOT INDUCE VOMITING. INGESTION MAY CAUSE NAUSEA AND VOMITING. IMMEDIATELY RINSE MOUTH AND PROVIDE FRESH AIR. GET MEDICAL ADVICE/ATTENTION IF SYMPTOMS PERSIST.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.
EYE CONTACT	FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN 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 SYMTOMATICALLY.



CECTION E FranKriewa Mariana	
SECTION 5: FIRE FIGHTING MEASURES	
5.1	FOAM, CO2, DRY CHEMICAL POWDER.
EXTINGUISHING MATERIAL 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: WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.
SECTION 6: Accidental Release Measur	RES
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6.1 Personal precautions	WEAR PROTECTIVE CLOTHING AS DESCRIBED IN SECTION 8 OF THIS SAFETY DATA SHEET. HANDLE THE PRODUCT USING PROTECTIVE GLOVES RESISTANT TO THE CHEMICALS EXPOSED. AVOID CONTACT WITH SKIN AND INHALATION OF ITS VAPOURS. MAINTAIN ADEQUATE VENTILATION IN THE WORKING AREA AFTER SPILLING.
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 SECTIONS 4, 7, 8 & 13.
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)	NO ADDITIONAL DATA AVAILABLE.
SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION	
8.1 Control Parameters	NO ADDITIONAL DATA AVAILABLE
8.2 EXPOSURE CONTROLS	
EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY
HAND PROTECTION	GOGGLES. (EN166) 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	NO ADDITIONAL DATA AVAILABLE
OTHER PROTECTION	WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS. PROVIDE EYEWASH STATION AND SAFETY SHOWER.
Process Conditions	Ensure area is well ventilated. Avoid vapour inhalation. Safety shower & Eye Bath.
ENVIROMENTAL EXPOSURE CONTROLS	AVOID DISCHARGING INTO DRAINAGE WATER.

SECTION 9: PHYSICAL & CHE PROPERTIES	EMICAL		
9.1 PHYSICAL & CHEMICAL PROPERTIES			
	APPEARANCE	LIQUID	
	Colour	LIGHT YELLOW - DEEP YELLOW.	
	ODOUR	CHARACTERISTIC — ROSE LIKE WITH A MINTY TOP NOTE.	
RELATIV	'E DENSITY @ 20°C	Approx. 0.885 @20°C	
	FLASH POINT (°C)	91 °C.	
	IVE INDEX @ 20 °C	APPROX. 1.468 @20°C	
	IN WATER @ 20 °C	INSOLUBLE IN WATER SOLUBLE IN ETHANOL.	
9.2 OTHER INFORMATION			
9.2.1 INFORMATION WITH REGARD TO PHYSICA	L HAZARD CLASSES	NO DATA.	
9.2.2 OTHER SAFETY CHARACTERISTICS		NO DATA.	
SECTION 10: STABILITY & RE	ACTIVITY		
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. Avoid heat, flames and other sources of ignition.	
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 & SMOKE & CARBON MONOXIDE.	



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	Causes skin irritation.
	EYE DAMAGE OR IRRITATION	BASED ON REACH REGISTRATION DATA PRODUCT IS CONSIDERED TO BE AN EYE IRRITANT - CAUSES SERIOUS EYE IRRITATION.
	RESPIRATORY OR SKIN SENSITIVITY	SKIN - MAY CAUSE AN ALLERGIC REACTION.
	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 HARMFUL IF INHALED.
11.2 Information on other hazards		NO DATA.
12.1 Toxicity		BASED ON REACH REGISTRATION DATA PRODUCT IS NOT CLASSED AS AN AQUATIC HAZARD
12.2		
PERSISTENCE & DEGRADABILITY		NO DATA.
12.3 BIO- ACCUMULATIVE POTENTIAL		NO DATA
12.4		NO DATA
MOBILITY IN SOIL 12.5		THE DATA
RESULTS OF PBT & VPVB ASSESSMENT		NO DATA.
12.6 ENDOCRINE DISRUPTING PROPERTIES		NO DATA.
12.7		Ma Port
OTHER ADVERSE EFFECTS		NO DATA.
SECTION 13: DISPOSAL INFO	DRMATION	
SECTION 13: DISPOSAL INFO	ORMATION	

SECTION 14: Transport Information	
14.1 TRANSPORT INFORMATION	
UN NUMBER	NA .
14.2 UN SHIPPING NAME	NOT SUBJECT TO ADR REGULATIONS.
	NOT SUBJECT TO ADR REGULATIONS.



14.3	
TRANSPORT HAZARD CLASS(ES) 14.4	
PACKING GROUP	None.
14.5 Enviromental Hazards	NO DATA.
14.6 SPECIAL PRECAUTIONS FOR USER	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 2020/878 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18™ 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).
STATUTORY INSTRUMENTS Approved Code of Practice	·
	NO 716). CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA

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. H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. 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.
Other Information	*THE CLP ADDITIVITY CALCULATION INCLUDES: H318 CAUSES SERIOUS EYE DAMAGE. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. HOWEVER, PRODUCT HAS BEEN CLASSIFIED ACCORDING TO REACH REGISTRATION DATA: EYE IRRIT. 2 – H319 AND NOT EYE DAM. 1 - H318 NOT CLASSIFIED AS AQUATIC CHRONIC 2 – H411



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™ April 2018	Data Launch
FEBRUARY 2021	Review
JANUARY 2023	REVIEW