

Material Safety Data Sheet

EU Regulation: 1907/2006

Rose Geranium, Essential Oil Organic				
PELARGONIUM GRAVEOLENS FLOWER OIL IS THE VOLATILE OIL OBTAINED FROM THE FLOWERS OF THE BOURBON GERANIUM, PELARGONIUM GRAVEOLENS (L.), GERANIACEAE				
PELARGONIUM GRAVEOLENS FLOWER OIL				
ORGANIC GERANIUM ROSE OIL				
ко519				
90082-51-2 / 8000-46-2	EC No.	290-140-0	EINECS No.	290-140-0
TA SHEET				
Bomar Ltd Sea Road, Kilcoole, Co.Wicklow, Ireland				
info@bomar.ie				
	PELARGONIUM GRAPELARGONIUM GRAPIELARGONIUM GRAPELARGONIUM GRAPELAR	PELARGONIUM GRAVEOLENS FLOW PELARGONIUM GRAVEOLENS (L.), G PELARGONIUM GRAVEOLENS FLOW ORGANIC GERANIUM ROSE OIL K0519 90082-51-2 / 8000-46-2 EC No.	PELARGONIUM GRAVEOLENS FLOWER OIL IS THE VOLATILE OI PELARGONIUM GRAVEOLENS (L.), GERANIACEAE PELARGONIUM GRAVEOLENS FLOWER OIL ORGANIC GERANIUM ROSE OIL K0519 90082-51-2 / 8000-46-2 EC No. 290-140-0 TA SHEET Bomar Ltd Sea Road, Kilcoole, Co.Wicklow, Ireland	PELARGONIUM GRAVEOLENS FLOWER OIL IS THE VOLATILE OIL OBTAINED FROM THE FLOWER PELARGONIUM GRAVEOLENS (L.), GERANIACEAE PELARGONIUM GRAVEOLENS FLOWER OIL ORGANIC GERANIUM ROSE OIL K0519 90082-51-2 / BC No. 290-140-0 EINECS No.



SECTION 2: HAZARDS IDENTIFICATION		
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.	
CLASSIFICATION (EU1272/2008)	PHYSICAL HAZARDS: NOT CLASSIFIED HEALTH HAZARDS: SKIN IRRIT. 2 - H315, SKIN SENS. 1B - H317, EYE DAM. 1 – H318 ENVIRONMENTAL HAZARDS: AQUATIC CHRONIC 2 - H411	
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.	
GHS LABEL	GHS05 GHS07 GHS09	
SIGNAL WORD	DANGER.	
Contains	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	P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P302+P352 IF ON SKIN: WASH WITH PLENTY OF WATER. 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 OR DOCTOR. P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION.	
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P264 Wash hands thoroughly after handling.	
	SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.	
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 XIII	No Additional Data Available.	
SECTION 3: COMPOSITION OF INGREDIENTS		
	≤38.7% 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	
3.1	≤20.7% 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	
SUBSTANCES	≤11.4% 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	
	5 – 10% CITRONELLYL FORMATE CAS NO: 105-85-1 EC NO: 203-338-9 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 -H315, SKIN SENS. 1B - H317	

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with Bomar regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission from Bomar.



1 – 5% 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 – 5% Isomenthone CAS No: 491-07-6 EC No: 207-727-4

CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317

1 - 5% 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 2 - H411

1 – 5% ALPHA-TERPINEOL CAS NO: 98-55- 5 EC NO: 202-680-6

CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319

≤ 1% NEROL CAS NO: 106-25-2 EC NO: 203-378-7

CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319

≤ 1% L-MENTHONE CAS NO: 14073-97-3 EC NO: 237-926-1 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2-H315, SKIN SENS. 1 - H317

≤ 1% 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

1313, 3KIN 3ENS. 1 - 11317, AQUATIC ACUTE 1 - 11400, AQUATIC CHRONIC 1 - 11410

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

≤ 1% (+) CIS-ROSE OXIDE CAS NO: 4610-11-1 EC NO: 225-017-2

Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Repr. 2 – H361

≤ 1% CITRONELLYL BUTYRATE CAS NO: 141-16-2 EC NO: 205-463-4

CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410

≤ 1% TRANS-P-MENTHAN-3-ONE (TRANS-MENTHONE) CAS No: 89-80-5 EC No: 201-941-1

Classification (EC 1272/2008) Acute Tox. 4 - H302, Aquatic Chronic 3 – H412

≤ 0.7% 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

≤ **0.2**% **D-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

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.	
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.	
EYE CONTACT	REMOVE ANY CONTACT LENSES AND OPEN EYELIDS WIDE APART. RINSE IMMEDIATELY WITH PLENTY OF WATER. CONTINUE TO RINSE FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION.	
4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	SKIN CONTACT: IRRITANT. MAY CAUSE AN ALLERGIC SKIN REACTION. EYE CONTACT: SERIOUS DAMAGE TO EYES.	
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	TREAT SYMTOMATICALLY.	



SUITABLE EXTINGUISHING MEDIA EXTINGUISH WITH FOAM, CARBON DIOXIDE, DRY CHEMICAL.
Unsuitable extinguishing media do not use water jet as an extinguisher, as this may scatter and spread fire
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.
AVOID INHALATION OF GENERATED FUMES OR VAPOURS. WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE
PROTECTIVE CLOTHING.
RES
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.
DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY
GUIDELINES.
ABSORB WITH LIQUID BINDING MATERIAL E.G. SAND, DIATOMACEOUS EARTH, VERMICULITE.
COLLECT IN CLOSED AND SUITABLE CONTAINERS FOR DISPOSAL IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL
LEGISLATION. PREVENT ANY MATERIAL FROM ENTERING DRAINS OR WATERWAYS. WASH SPILL SITE AFTER REMOVAL WITH A DETERGENT.
REFER & CONSIDER SECTIONS 7, 8 & 13.
USE ONLY IN AREA PROVIDED WITH ADEQUATE VENTILATION, AVOID CONTACT WITH SKIN, EYES AND CLOTHING, REMOVE AND
USE ONLY IN AREA PROVIDED WITH ADEQUATE VENTILATION. 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.
WASH CONTAMINATED CLOTHING BEFORE RE-USE. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WEAR
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.
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL
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.
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT.
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT.
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT.
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. SUITABLE FOR COSMETIC, FRAGRANCE AND PROFESSIONAL USE ONLY
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. SUITABLE FOR COSMETIC, FRAGRANCE AND PROFESSIONAL USE ONLY
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. SUITABLE FOR COSMETIC, FRAGRANCE AND PROFESSIONAL USE ONLY
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. SUITABLE FOR COSMETIC, FRAGRANCE AND PROFESSIONAL USE ONLY
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. SUITABLE FOR COSMETIC, FRAGRANCE AND PROFESSIONAL USE ONLY
PERSONAL PROTECTIVE EQUIPMENT. DO NOT BREATHE VAPOURS OR SPRAY MIST. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. SUITABLE FOR COSMETIC, FRAGRANCE AND PROFESSIONAL USE ONLY
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. SUITABLE FOR COSMETIC, FRAGRANCE AND PROFESSIONAL USE ONLY
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. STORE IN TIGHTLY-CLOSED, ORIGINAL CONTAINER IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. SUITABLE FOR COSMETIC, FRAGRANCE AND PROFESSIONAL USE ONLY NO ADDITIONAL DATA AVAILABLE.



	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	PROVIDE ADEQUATE VENTILATION.	
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. AVOID CONTACT WITH SKIN AND EYES. US PERSONAL PROTECTION ACCORDING TO DIRECTIVE 89/686/EEC.	
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.	
ENVIROMENTAL EXPOSURE CONTROLS	AVOID DISCHARGING INTO DRAINAGE WATER. ONLY ELIMINATE BY AUTHORISED COMPANIES.	
	<u> </u>	
SECTION 9: PHYSICAL & CHEMICAL PROPERTIES		
9.1 PHYSICAL & CHEMICAL PROPERTIES		
APPEARANCE	LIQUID	
COLOUR	PALE YELLOW — AMBER YELLOW	
Odour	CHARACTERISTIC – SWEET, ROSEY, MINTY	
RELATIVE DENSITY @ 20°C		
FLASH POINT (°C)	>64 °C	
REFRACTIVE INDEX @ 20 °C	1.461 - 1.475 @ 20°C	
SOLUBILITY IN WATER @ 20 °C	NO DATA	
9.2 Other Information	OPTICAL ROTATION: -16 TO 0.	
SECTION 10: STABILITY & REACTIVITY		
10.1 REACTIVITY	Presents no significant reactivity hazards. Stable under normal temperature conditions and recommended use.	
10.2 CHEMICAL STABILITY	STABLE UNDER THE RECOMMENDED HANDLING AND STORAGE CONDITIONS IN SECTION 7.	
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.	
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 CONTACT WITH STRONG ACIDS, ALKALIS OR 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	CAUSES SERIOUS EYE DAMAGE.
RESPIRATORY OR SKIN SENSITIVITY	SKIN - MAY CAUSE AN ALLERGIC SKIN 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	NOT CLASSIFIED.
OTHER INFORMATION	
OTHER INFORMATION	NO ADDITIONAL DATA AVAILABLE.
SECTION 12: ECOLOGICAL INFORMATION	
12.1 Toxicity	TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. ALPHA-PINENE (CAS NO:80-56-8) LC50 - FISH [1] 0.27 mg/L EC50 - CRUSTACEA [1] 0.475 mg/L NOEC CHRONIC ALGAE 0.131 mg/L D-LIMONENE (5989-27-5) LC50 - FISH [1] 720 mg/L TEST ORGANISMS (SPECIES): PIMEPHALES PROMELAS EC50 - CRUSTACEA [1] 0.36 mg/L TEST ORGANISMS (SPECIES): DAPHNIA MAGNA EC50 72H - ALGAE [1] 0.32 mg/L TEST ORGANISMS (SPECIES): DESMODESMUS SUBSPICATUS (PREVIOUS NAME: SCENEDESMUS SUBSPICATUS) NOEC (CHRONIC) 0.115 mg/L TEST ORGANISMS (SPECIES): OTHER:FOR FRESHWATER INVERTEBRATES, SPECIES FREQUENTLY INCLUDE DAPHNIA MAGNA OR DAPHNIA PULEX. DURATION: '16 D'
12.2	NO ADDITIONAL DATA AVAILABLE.
PERSISTENCE & DEGRADABILITY 12.3 BIO- ACCUMULATIVE POTENTIAL	NO ADDITIONAL DATA AVAILABLE.
12.4	NO ADDITIONAL DATA AVAILABLE.
MOBILITY IN SOIL 12.5 RESULTS OF PBT & VPVB ASSESSMENT	NO ADDITIONAL DATA AVAILABLE.
12.6 OTHER ADVERSE EFFECTS	NO ADDITIONAL DATA AVAILABLE.
SECTION 13: DISPOSAL INFORMATION	
13.1 WASTE TREATMENT METHODS	DO NOT ALLOW ENTRY 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. DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR.



SECTION 14: TRANSPORT INFORMATION	
14.1 Transport Information	
UN NUMBER	UN No. ROAD: 3082 UN No. SEA: 3082
14.2	UN NO. AIR: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID ADR/RID—CLASS 9 ADR CLASSIFICATION CODE — M6 SPECIAL PROVISIONS — 274 335 375 601 LIMITED QUANTITIES — 5L EXPECTED QUANTITIES — E1 EMERGENCY ACTION CODE — •3Z IMDG IMDG — CLASS 9 SPECIAL PROVISIONS — 274 335 375 601 LIMITED QUANTITIES — 5L EXPECTED QUANTITIES — 5L IMDG EMS — F-A, S-F STOWAGE AND HANDLING — CATEGORY A ICAO/IATA ICAO/IATA—CLASS 9 IATA PROPER SHIPPING NAME - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.: EXPECTED QUANTITIES — E1 TRANSPORT LABEL:
14.4 PACKING GROUP	ADR/RID PACKING GROUP: III IMDG PACKING GROUP: III ICAO PACKING GROUP: III
14.5 Enviromental Hazards	ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT.
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.	NOT APPLICABLE.
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 18 TH DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with Bomar regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission from Bomar.



	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. H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. H373 MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. H400 VERY TOXIC TO AQUATIC LIFE. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS	H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
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	
10/04/2018	Data Launch	
26/02/2021	Review	
04/10/2021	Review	