

BOMAR

Material Safety Data Sheet

EU Regulation: 1907/2006






SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFICATION					
PRODUCT NAME	THYME SWEET (LINALOOL), ESSENTIAL OIL ORGANIC				
BIOLOGICAL DEFINITION	THYMUS VULGARIS OIL IS THE VOLATILE OIL OBTAINED FROM THE WHOLE PLANT OF THE THYME, THYMUS VULGARIS L., LAMIACEAE.				
INCI NAME	THYMUS VULGARIS OIL				
SYNONYMS & TRADE NAMES	-				
INTERNAL PRODUCT CODE	K0464				
CAS-No	84929-51-1	EC No.	284-535-7	EINECS No.	284-535-7
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
COMPANY ADDRESS	Bomar Sea Road, Kilcoole, Co.Wicklow, Ireland				
EMAIL	info@bomar.ie				
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
EMERGENCY CONTACTS	John Byrne 012875110				

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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)	<p>FLAMMABLE LIQUID, HAZARD CATEGORY 3 SKIN CORROSION / IRRITATION CATEGORY 1B EYE DAMAGE / IRRITATION CATEGORY 1 SENSITIZATION - SKIN CATEGORY 1 TOXIC TO REPRODUCTION CATEGORY 2 ASPIRATION HAZARD CATEGORY 1 HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD CATEGORY 2 H226, FLAMMABLE LIQUID AND VAPOUR. H304, MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H314, CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. H317, MAY CAUSE AN ALLERGIC SKIN REACTION. H361, SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD (EXPOSURE ROUTE). H411, TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.</p>
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.
GHS LABEL	    GHS02 GHS05 GHS07 GHS08  GHS09
SIGNAL WORD	DANGER.
CONTAINS	-
HAZARDS STATEMENT	<p>H226, FLAMMABLE LIQUID AND VAPOUR. H304, MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H314, CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. H317, MAY CAUSE AN ALLERGIC SKIN REACTION. H361, SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD (EXPOSURE ROUTE). H411, TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.</p>
PRECAUTIONARY STATEMENTS	<p>P210, KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES. - NO SMOKING. P233, KEEP CONTAINER TIGHTLY CLOSED. P240, GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT. P241, USE EXPLOSION-PROOF ELECTRICAL, VENTILATING AND LIGHTING EQUIPMENT. P242, USE ONLY NON-SPARKING TOOLS. P243, TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. P260, DO NOT BREATHE VAPOUR OR DUST. P264, WASH HANDS AND OTHER CONTACTED SKIN THOROUGHLY AFTER HANDLING. P272, CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. P273, AVOID RELEASE TO THE ENVIRONMENT. P280, WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. P301/310, IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P301/330/331, IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. P303/361/353, IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.</p>

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	<p>RINSE SKIN WITH WATER/SHOWER.</p> <p>P304/340, IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.</p> <p>P305/351/338, IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.</p> <p>P308/313, IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.</p> <p>P310, IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.</p> <p>P331, DO NOT INDUCE VOMITING.</p> <p>P333/313, IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.</p> <p>P363, WASH CONTAMINATED CLOTHING BEFORE REUSE.</p> <p>P370/378, IN CASE OF FIRE: USE CARBON DIOXIDE, DRY CHEMICAL, FOAM FOR EXTINCTION.</p> <p>P391, COLLECT SPILLAGE.</p> <p>P403/235, STORE IN A WELL-VENTILATED PLACE. KEEP COOL.</p> <p>P405, STORE LOCKED UP.</p> <p>P501, DISPOSE OF CONTENTS/CONTAINER TO APPROVED DISPOSAL SITE, IN ACCORDANCE WITH LOCAL REGULATIONS.</p> <p>P202, DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.</p>
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	NO ADDITIONAL INFORMATION AVAILABLE.
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	
3.2 MIXTURES	<p>≤ 38% LINALOOL CAS-No: 78-70-6 EC-No: 201-134-4 CLASSIFICATION (EC 1 272/2008): SKIN IRRIT. 2-EYE IRRIT. 2- SKIN SENS. 1B;H315- H317-H319,-</p> <p>≤ 23% L-BORNEOL CAS-No: 464-45-9 EC-No: 207-353-1 CLASSIFICATION (EC 1 272/2008): FLAM. SOL. 1-SKIN IRRIT. 2;H228-H315,-</p> <p>≤ 9% ALPHA-TERPINEOL CAS-No: 98-55-5 EC-No: 202-680-6 CLASSIFICATION (EC 1 272/2008): SKIN IRRIT. 2-EYE IRRIT. 2; H315-H319,-</p> <p>≤ 7% CAMPHENE CAS-No: 79-92-5 EC-No: 201-234-8 CLASSIFICATION (EC 1 272/2008): FLAM. SOL. 2-AQUATIC ACUTE 1-AQUATIC CHRONIC 1;H320-H228-H410,-</p> <p>≤ 6.5% CARVACROL CAS-No: 499-75-2 EC-No: 207-889-6 CLASSIFICATION (EC 1 272/2008): ACUTE TOX. 4-SKIN IRRIT. 2-EYE IRRIT. 2-SKIN SENS. 1B;H302-H315 H317- H319,-</p> <p>≤ 5.5% BETA-CARYOPHYLLENE CAS-No: 87-44-5 EC-No: 201-746-1 CLASSIFICATION (EC 1 272/2008): SKIN SENS. 1B-ASP. TOX 1-AQUATIC CHRONIC 4; H304-H317-H413,-</p>

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<p>≤ 5% THYMOL CAS-No: 89-83-8 EC-No: 201-944-8 CLASSIFICATION (EC 1272/2008): ACUTE TOX. 4-SKIN CORR. 1B-EYE DAM. 1-AQUATIC CHRONIC 2;H302-H314- H411,-</p> <p>≤ 4.5 % ALPHA-PINENE CAS-No: 80-56-8 EC-No: 201-291-9 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3-ACUTE TOX. 4-SKIN IRRIT. 2-SKIN SENS. 1B-ASP. TOX 1 - AQUATIC ACUTE 1- AQUATIC CHRONIC 1; H226-H302-H304- H315-H317-H410,-</p> <p>≤ 4% P-CYMENE CAS-No: 99-87-6 EC-No: 202-796-7 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3-REPR. 2- ASP. TOX 1-AQUATIC CHRONIC 2;H226-H304-H361-H411,</p> <p>≤ 3% P-MENTHA-1,4-DIENE CAS-No: 99-85-4 EC-No: 202-794-6 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3-REPR. 2- ASP. TOX 1;H226-H304- H361,-</p> <p>≤ 2% 4-CARVOMENTHENOL CAS-No: 562-74-3 EC-No: 209-235-5 CLASSIFICATION (EC 1272/2008): ACUTE TOX. 4-SKIN IRRIT. 2-EYE IRRIT. 2;H302- H315-H319,-</p> <p>≤ 1.5% EUCALYPTOL CAS-No: 470-82-6 EC-No: 207-431-5 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3-SKIN SENS. 1B;H226-H317,-</p> <p>≤ 1.5% CAMPHOR CAS-No: 76-22-2 EC-No: 200-945-0 CLASSIFICATION (EC 1272/2008): FLAM. SOL. 2-ACUTE TOX. 4-ACUTE TOX. 4-SKIN IRRIT. 2-EYE DAM. 1- STOT SE 2-AQUATIC CHRONIC 2;H228-H302- H315-H318-H332- H371-H411,-</p> <p>≤ 1.5% P-MENTHA-1,3-DIENE CAS-No: 99-86-5 EC-No: 202-795-1 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3-ACUTE TOX. 4-ASP. TOX 1-AQUATIC CHRONIC 2;H226-H302- H304-H411,-</p> <p>≤ 1.5% BETA-PINENE CAS-No: 127-91-3 EC-No: 204-872-5 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3-SKIN IRRIT. 2-SKIN SENS. 1B-ASP. TOX 1-AQUATIC ACUTE 1- AQUATIC CHRONIC 1; H226-H304-H315- H317-H410,-</p> <p>≤ 1.5% L-LIMONENE CAS-No: 5989-54-8 EC-No: 227-815-6 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3-SKIN IRRIT. 2-SKIN SENS. 1B-ASP. TOX 1-AQUATIC ACUTE 1- AQUATIC CHRONIC 1; H226-H304-H315- H317-H410,-</p> <p>≤ 1.0% TERPINOLENE CAS-No: 586-62-9 EC-No: 209-578-0 CLASSIFICATION (EC 1272/2008): SKIN SENS. 1B-ASP. TOX 1-AQUATIC ACUTE 1- AQUATIC CHRONIC 1; H304-H317-H410,-</p> <p>≤ 1.0% MYRCENE CAS-No: 123-35-3 EC-No: 204-622-5 CLASSIFICATION (EC 1272/2008): FLAM. LIQ. 3-SKIN IRRIT. 2-EYE IRRIT. 2-ASP. TOX 1-AQUATIC ACUTE 1- AQUATIC CHRONIC 2; H226-H304-H315- H319-H400-H411,-</p>

SECTION 4: FIRST AID MEASURES

4.1	
DESCRIPTION OF FIRST AID MEASURES	
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY. CALL A PHYSICIAN 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. DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.

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EYE CONTACT	RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION
4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. MAY CAUSE AN ALLERGIC SKIN REACTION. SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD (EXPOSURE ROUTE)
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	FOAM, CO2, DRY CHEMICAL POWDER.
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	IN CASE OF FIRE, MAY BE LIBERATED: CARBON MONOXIDE, UNIDENTIFIED ORGANIC COMPOUNDS
5.3 ADVICE FOR FIRE-FIGHTERS	IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

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 SECTION 8. REFER & CONSIDER SECTION 13.

SECTION 7: HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE-HANDLING	ENSURE GOOD VENTILATION OF THE WORK STATION. KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING. WEAR PERSONAL PROTECTIVE EQUIPMENT. AVOID CONTACT WITH SKIN AND EYES. WASH CONTAMINATED CLOTHING BEFORE REUSE. CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. ALWAYS WASH HANDS AFTER HANDLING THE 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)	FLAVOURS,FRAGRANCES: USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES.

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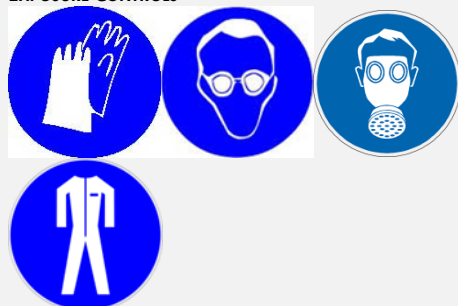
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SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 CONTROL PARAMETERS: WORKPLACE EXPOSURE LIMITS:

COMPONENT	CAS	EC	DESCRIPTION	VALUE
CAMPHOR	76-22-2	200-945-0	LONG-TERM EXPOSURE LIMIT (8-HOUR TWA) (PPM)	2
			LONG-TERM EXPOSURE LIMIT (8-HOUR TWA) (MG/M3)	13
			SHORT-TERM EXPOSURE LIMIT (15-MINUTE) (PPM)	3
			SHORT-TERM EXPOSURE LIMIT (15-MINUTE) (MG/M3)	19

8.2 EXPOSURE CONTROLS



EYE PROTECTION

CHEMICAL GOGGLES OR FACE SHIELD. SAFETY GLASSES

HAND PROTECTION

MANDATORY HAND PROTECTION.
PPE: PROTECTIVE GLOVES AGAINST MINOR RISKS.
LABELLING: **CE CAT I**
CEN STANDARD: EN 374-1:2003, EN 374-3:2003/AC:2006, EN 420:2003+A1:2009
REMARKS: THE BREAKTHROUGH TIME INDICATED BY THE MANUFACTURER MUST EXCEED THE PERIOD DURING WHICH THE PRODUCT IS BEING USED. DO NOT USE PROTECTIVE CREAMS AFTER THE PRODUCT HAS COME INTO CONTACT WITH SKIN.

RESPIRATORY EQUIPMENT

IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. [IN CASE OF INADEQUATE VENTILATION] WEAR RESPIRATORY PROTECTION.

HYGIENE MEASURES

GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.

ENGINEERING MEASURES

PROVIDE ADEQUATE VENTILATION.

SKIN PROTECTION

PPE: WORK CLOTHING
LABELLING: **CE CAT I**

PERSONAL PROTECTION

USE PERSONAL PROTECTION ACCORDING TO DIRECTIVE 89/686/EEC.

OTHER PROTECTION

PPE: ANTI-SLIP WORK SHOES
LABELLING: **CE CAT I**
CEN STANDARD: EN ISO 20347:2012

PROCESS CONDITIONS

ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.

ENVIROMENTAL EXPOSURE CONTROLS

AVOID RELEASE TO THE ENVIRONMENT.

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SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	
9.1 PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE	LIQUID
COLOUR	COLORLESS – PALE YELLOW – RED
ODOUR	CHARACTERISTIC
RELATIVE DENSITY	0.872 – 0.937 @ 20°C
FLASH POINT (°C)	55°C
REFRACTIVE INDEX @ 20 °C	1.468 – 1.504 @ 20°C
SOLUBILITY IN WATER @ 20 °C	INSOLUBLE IN WATER.
9.2 OTHER INFORMATION	NO DATA.
SECTION 10: STABILITY & REACTIVITY	
10.1 REACTIVITY	PRESENTS NO SIGNIFICANT REACTIVITY HAZARD, BY ITSELF OR IN CONTACT WITH WATER.
10.2 CHEMICAL STABILITY	GOOD STABILITY UNDER NORMAL STORAGE CONDITIONS.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.
10.4 CONDITIONS TO AVOID	AVOID EXTREME HEAT.
10.5 INCOMPATIBLE MATERIALS	AVOID CONTACT WITH STRONG ACIDS, ALKALIS OR OXIDISING AGENTS.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS DECOMPOSITION PRODUCTS SHOULD NOT BE PRODUCED.

SECTION 11: TOXICOLOGICAL INFORMATION	
11.1 TOXICOLOGICAL EFFECTS	
ACUTE TOXICITY	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET. ACUTE TOXICITY ORAL 2840 MG/KG ACUTE TOXICITY DERMAL >5000 ACUTE TOXICITY INHALATION NOT AVAILABLE
SKIN IRRITATION	SKIN CORROSION / IRRITATION CATEGORY 1B
EYE DAMAGE OR IRRITATION	EYE DAMAGE / IRRITATION CATEGORY 1
RESPIRATORY OR SKIN SENSITIVITY	SENSITIZATION - SKIN CATEGORY 1
GERM CELL MUTAGENICITY	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET.

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CARCINOGENICITY	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET.																																																	
REPRODUCTIVE TOXICITY	TOXIC TO REPRODUCTION CATEGORY 2																																																	
STOT – SINGLE EXPOSURE	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET.																																																	
STOT – REPEATED EXPOSURE	BASED ON AVAILABLE DATA THE CLASSIFICATION CRITERIA ARE NOT MET.																																																	
ASPIRATION HAZARD	ASPIRATION HAZARD CATEGORY 1																																																	
OTHER INFORMATION	<p>Information about hazardous ingredients in the mixture</p> <table border="1"> <thead> <tr> <th>Component</th> <th>CAS</th> <th>EC</th> <th>LD50/ATE Oral</th> <th>LD50/ATE Dermal</th> <th>LC50/ATE Inhalation</th> <th>LC50 Route</th> </tr> </thead> <tbody> <tr> <td>4-Carvomenthenol</td> <td>562-74-3</td> <td>209-235-5</td> <td>1300</td> <td>2500</td> <td>Not available</td> <td>Not available</td> </tr> <tr> <td>Camphor</td> <td>76-22-2</td> <td>200-945-0</td> <td>1500</td> <td>Not available</td> <td>1.5</td> <td>Dust/mist mg/l</td> </tr> <tr> <td>Carvacrol</td> <td>499-75-2</td> <td>207-889-6</td> <td>810</td> <td>Not available</td> <td>Not available</td> <td>Not available</td> </tr> <tr> <td>Thymol</td> <td>89-83-8</td> <td>201-944-8</td> <td>980</td> <td>Not available</td> <td>Not available</td> <td>Not available</td> </tr> <tr> <td>alpha-Pinene</td> <td>80-56-8</td> <td>201-291-9</td> <td>500</td> <td>Not available</td> <td>Not available</td> <td>Not available</td> </tr> <tr> <td>p-Mentha-1,3-diene</td> <td>99-86-5</td> <td>202-795-1</td> <td>1680</td> <td>Not available</td> <td>Not available</td> <td>Not available</td> </tr> </tbody> </table>	Component	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route	4-Carvomenthenol	562-74-3	209-235-5	1300	2500	Not available	Not available	Camphor	76-22-2	200-945-0	1500	Not available	1.5	Dust/mist mg/l	Carvacrol	499-75-2	207-889-6	810	Not available	Not available	Not available	Thymol	89-83-8	201-944-8	980	Not available	Not available	Not available	alpha-Pinene	80-56-8	201-291-9	500	Not available	Not available	Not available	p-Mentha-1,3-diene	99-86-5	202-795-1	1680	Not available	Not available	Not available
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alpha-Pinene	80-56-8	201-291-9	500	Not available	Not available	Not available																																												
p-Mentha-1,3-diene	99-86-5	202-795-1	1680	Not available	Not available	Not available																																												
SECTION 12: ECOLOGICAL INFORMATION																																																		
12.1 TOXICITY	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	THIS SUBSTANCE DOES NOT MEET THE PBT/VPVB CRITERIA OF REACH, ANNEX XIII.																																																	
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	DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS. AVOID DISPOSING INTO DRAINAGE SYSTEMS AND INTO THE ENVIRONMENT. EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR RECYCLING OR DISPOSAL.																																																	

SECTION 14: TRANSPORT INFORMATION	
14.1 TRANSPORT INFORMATION	
UN NUMBER	ROAD: 2924 RAIL: 2924 AIR: 2924
14.2 UN SHIPPING NAME	FLAMMABLE LIQUID, CORROSIVE, N.O.S.
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID/ADN CLASS: 3 (8) IMDG CLASS: 3 (8) ICAO CLASS/DIVISION: 3 (8)

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	<p>TRANSPORT LABELS</p> 						
14.4 PACKING GROUP	<table> <tr> <td>ADR/RID/ADN PACKING GROUP</td> <td>II</td> </tr> <tr> <td>IMDG PACKING GROUP</td> <td>II</td> </tr> <tr> <td>ICAO PACKING GROUP</td> <td>II</td> </tr> </table>	ADR/RID/ADN PACKING GROUP	II	IMDG PACKING GROUP	II	ICAO PACKING GROUP	II
ADR/RID/ADN PACKING GROUP	II						
IMDG PACKING GROUP	II						
ICAO PACKING GROUP	II						
14.5 ENVIROMENTAL HAZARDS	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT</p> 						
14.6 SPECIAL PRECAUTIONS FOR USER	NO ADDITIONAL INFORMATION AVAILABLE.						
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 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	A CHEMICAL SAFETY ASSESSMENT HAS NOT BEEN CARRIED OUT FOR THIS PRODUCT.						

SECTION 16: OTHER INFORMATION

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HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL

H226, FLAMMABLE LIQUID AND VAPOUR.
H304, MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
H314, CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
H317, MAY CAUSE AN ALLERGIC SKIN REACTION.
H361, SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD (EXPOSURE ROUTE).
H411, TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
P210, KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES. - NO SMOKING.
P233, KEEP CONTAINER TIGHTLY CLOSED.
P240, GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.
P241, USE EXPLOSION-PROOF ELECTRICAL, VENTILATING AND LIGHTING EQUIPMENT.
P242, USE ONLY NON-SPARKING TOOLS.
P243, TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.
P260, DO NOT BREATHE VAPOUR OR DUST.
P264, WASH HANDS AND OTHER CONTACTED SKIN THOROUGHLY AFTER HANDLING.
P272, CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE.
P273, AVOID RELEASE TO THE ENVIRONMENT.
P280, WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
P301/310, IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.
P301/330/331, IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.
P303/361/353, IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.
P304/340, IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.
P305/351/338, IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
P308/313, IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.
P310, IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.
P331, DO NOT INDUCE VOMITING.
P333/313, IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.
P363, WASH CONTAMINATED CLOTHING BEFORE REUSE.
P370/378, IN CASE OF FIRE: USE CARBON DIOXIDE, DRY CHEMICAL, FOAM FOR EXTINCTION.
P391, COLLECT SPILLAGE.
P403/235, STORE IN A WELL-VENTILATED PLACE. KEEP COOL. P405, STORE LOCKED UP.
P501, DISPOSE OF CONTENTS/CONTAINER TO APPROVED DISPOSAL SITE, IN ACCORDANCE WITH LOCAL REGULATIONS.
P202, DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

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 MARCHANDISES 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.

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DOCUMENTATION REVISION

DATE	CHANGE DESCRIPTION
10/04/2018	DATA LAUNCH
16/12/2021	REVIEW
10/02/2022	REVIEW
15/03/2022	REVIEW

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