



NHR ORGANIC OILS  
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*Safety Data Sheet*  
**Organic Sweet Marjoram Essential Oil**  
*(Origanum majorana)*

EU Regulation: 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING					
<b>1.1</b> PRODUCT IDENTIFICATION					
PRODUCT NAME	MARJORAM SWEET, ESSENTIAL OIL ORGANIC				
BIOLOGICAL DEFINITION	ORIGANUM MAJORANA LEAF OIL IS THE VOLATILE OIL DISTILLED FROM THE LEAVES OF THE SWEET MARJORAM, ORIGANUM MAJORANA L., LABIATAE.				
INCI NAME	ORIGANUM MAJORANA LEAF OIL				
SYNONYMS & TRADE NAMES	-				
CAS-No	84082-58-6	EC No.	282-004-4	EINECS No.	282-004-4
<b>1.2</b> DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
COMPANY ADDRESS	NHR Organic Oils 24 Chatham Place, Brighton BN1 3TN. UK				
EMAIL	<a href="mailto:info@nhrorganicoils.com">INFO@NHRORGANICOILS.COM</a>				
<b>1.3</b> DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
EMERGENCY CONTACTS	01273 746505				

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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)** THE FULL TEXT FOR ALL R-PHRASES AND HAZARD STATEMENTS ARE DISPLAYED IN SECTION 16.

**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)  
 CHRONIC AQUATIC TOXICITY CATEGORY 2 - (H411)  
 FLAMMABLE LIQUIDS CATEGORY 3 - (H226)

**2.2 LABEL ELEMENTS** LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.

**GHS LABEL**



GHS02

GHS07

GHS08

GHS09

**SIGNAL WORD**

DANGER.

**CONTAINS**

GAMMA-TERPINENE, ALPHA-TERPINENE, SABINENE, D-LIMONENE

**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  
 H411 - TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS  
 H226 - FLAMMABLE LIQUID AND VAPOR  
 CONTAINS ALPHA-PINENE, BETA-PINENE  
 EUH208 - CONTAINS ( . ? ). MAY PRODUCE AN ALLERGIC REACTION

**PRECAUTIONARY STATEMENTS**

P210 - KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING  
 P280 - WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION  
 P202 - DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD  
 P302 + P352 - IF ON SKIN: WASH WITH PLENTY OF SOAP AND 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  
 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  
 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**

H303 - MAY BE HARMFUL IF SWALLOWED H401 - TOXIC TO AQUATIC LIFE

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**

THE SUBSTANCE DOES NOT SATISFY THE PBT OR VPvP CRITERIA IN ACCORDANCE WITH ANNEXE XIII OF THE REACH REGULATIONS EC 1907/2006.

### SECTION 3: COMPOSITION OF INGREDIENTS

#### 3.2 MIXTURES

Terpinen-4-ol	Present	562-74-3	20 - <30	Aquatic Acute 3 (H402) (EFFA) Eye Irrit. 2 (H319) (EFFA) Skin Irrit. 2 (H315) (EFFA) Acute Tox. 4 (H302) (EFFA) Acute Tox. 5 (H313)(EFFA) Flam. Liq. 4 (H227)(EFFA)
Linalool	Present	78-70-6	10 - <20	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)
gamma-Terpinene	Present	99-85-4	10 - <20	Rep 2 (H361), Flam. Liq. 3, Aspir Haz. 1 (H304), Acute Tox 5 (H303), Skin Irrit. 3 (H316)
alpha-Terpinene	Present	99-86-5	1 - <10	Aquatic Acute 2 (H401) (EFFA) Skin Irrit. 3 (H316) (EFFA) Aquatic Chronic 2 (H411) (EFFA) Asp. Tox. 1 (H304) (EFFA) Acute Tox. 4 (H302) (EFFA) Flam. Liq. 3 (H226)(EFFA)
Sabinene	Present	3387-41-5	1 - <10	Aspiration cat 1 (H304), Flam cat 3 (H226), Skin Irri cat 2 (H315), Skin sensi cat 1B (H317), Acute aquatic cat 1 (H400), Chronic aquatic cat 1 (H410)
d-Limonene	Present	5989-27-5	1 - <10	Aspiration Hazard 1 (H304)(EFFA) Flam. Liq. 3 (H226)(EFFA) Skin Irrit. 2 (H315)(EFFA) Skin Sens. 1B (H317)(EFFA) Aquatic Acute 1 (H400)(EFFA) Aquatic Chronic 1 (H410)(EFFA)
alpha-Terpineol	Present	98-55-5	1 - <10	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)
Terpinolene	Present	586-62-9	1 - <10	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)
Linalyl acetate	Present	115-95-7	1 - <10	Aquatic Acute 3 (H402) (EFFA) Eye

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				Irrit. 2 (H320) (EFA) Skin Irrit. 2 (H315) (EFA) Flam. Liq. 4 (H227)(EFA) Skin Sensitization 1 (H317)(EFA)
Caryophyllene	Present	87-44-5	1 - <10	Skin Sens. 1B (H317) (EFA) Asp. Tox. 1 (H304) (EFA) Chronic Aquatic 4 (H413) (EFA)
Myrcene	Present	123-35-3	1 - <10	Eye Irrit. 2 (H319) (EFA) Skin Irrit. 2 (H315) (EFA) Asp. Tox. 1 (H304) (EFA) Flam. Liquid 3 (H226) (EFA) Acute Aquatic 1 (H400) (EFA) Chronic Aquatic 2 (H411) (EFA)
beta-Phellandrene	Present	555-10-2	1 - <10	Asp. Tox. 1 (H304) (EFA) Flam. Liq. 3 (H226) (EFA)
para-Cymene	Present	99-87-6	0.1 - <1	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)
alpha-Pinene	Present	80-56-8	0.1 - <1	Acute Aquatic 1 (H400) (EFA) Chronic Aquatic 1 (H410) (EFA) Acute Tox. 4 (H302) (EFA) Skin Sens. 1B (H317) (EFA) Skin Irrit. 2 (H315) (EFA) Asp. Tox. 1 (H304) (EFA) Flam. Liq. 3 (H226)(EFA)
beta-Pinene	Present	127-91-3	0.1 - <1	Acute Aquatic 1 (H400) (EFA) Chronic Aquatic 1 (H410) (EFA) Skin Sens. 1 (H317) (EFA) Skin Irrit. 2 (H315) (EFA) Asp. Tox. 1 (H304) (EFA) Flam. Liq. 3 (H226)(EFA)
alpha-Phellandrene	Present	99-83-2	0.1 - <1	Skin Irrit. 3 (H316) (EFA) Asp. Tox. 1 (H304) (EFA) Flam. Liq. 3 (H226)(EFA)
trans beta-Ocimene	Present	3779-61-1	0.01 - <0.1	Acute Tox. 5 (H303) (EFA) Asp. Tox. 1 (H304) (EFA) Skin Irrit. 2 (H315) (EFA) Acute Aquatic 1 (H400) (EFA) Chronic Aquatic 2 (H411) (EFA) Flam. Liq. 3 (H226) (EFA)
Camphene	Present	79-92-5	0.01 - <0.1	Aquatic Acute 1 (H400) (EFA) Eye Irrit. 2B (H320) (EFA) Aquatic Chronic 1

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<b>SECTION 4: FIRST AID MEASURES</b>	
<b>4.1</b> DESCRIPTION OF FIRST AID MEASURES	
<b>GENERAL INFORMATION</b>	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
<b>INHALATION</b>	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.
<b>INGESTION</b>	GET MEDICAL ATTENTION IMMEDIATELY. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION. DO NOT INDUCE VOMITING.
<b>SKIN CONTACT</b>	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.
<b>EYE CONTACT</b>	FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.
<b>4.2</b> MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	NONE KNOWN.
<b>4.3</b> INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	TREAT SYMPTOMATICALLY.
<b>SECTION 5: FIRE FIGHTING MEASURES</b>	
<b>5.1</b> EXTINGUISHING MATERIAL	FOAM, CO2, DRY CHEMICAL POWDER.
<b>5.2</b> SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES
<b>5.3</b> ADVICE FOR FIRE-FIGHTERS	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.
<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1</b> 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.
<b>6.2</b> ENVIRONMENTAL PRECAUTIONS	DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.
<b>6.3</b> 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.
<b>6.4</b> REFERENCES TO OTHER SECTIONS	REFER & CONSIDER SECTION 8. REFER & CONSIDER SECTION 13.
<b>SECTION 7: HANDLING &amp; STORAGE</b>	
<b>7.1</b> 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.
<b>7.2</b> 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.
<b>7.3</b> SPECIFIC END USE(S)	NO DATA.
<b>SECTION 8: EXPOSURE CONTROLS &amp; PERSONAL PROTECTION</b>	

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**8.1  
CONTROL PARAMETERS**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
gamma-Terpinene 99-85-4	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
alpha-Terpinene 99-86-5	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
Sabinene 3387-41-5	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
d-Limonene 5989-27-5	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	S* TWA: 30 ppm TWA: 168 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 28 mg/m <sup>3</sup> Ceiling / Peak: 20 ppm Ceiling / Peak: 112
					mg/m <sup>3</sup> Skin
Terpinolene 586-62-9	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
Myrcene 123-35-3	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
beta-Phellandrene 555-10-2	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
para-Cymene 99-87-6	-	-	TWA: 150 mg/m <sup>3</sup> TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
alpha-Pinene 80-56-8	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 113 mg/m <sup>3</sup>	-
beta-Pinene 127-91-3	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 113 mg/m <sup>3</sup>	-
alpha-Phellandrene 99-83-2	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
trans beta-Cimene 3779-61-1	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
Camphene 79-92-5	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
d-Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup>	-
para-Cymene 99-87-6	-	-	-	-	TWA: 25 ppm TWA: 135 mg/m <sup>3</sup>
alpha-Pinene 80-56-8	-	TWA: 20 ppm	-	-	-
beta-Pinene 127-91-3	-	TWA: 20 ppm	-	-	-
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
d-Limonene 5989-27-5	-	STEL: 14 ppm STEL: 80 mg/m <sup>3</sup> TWA: 7 ppm TWA: 40 mg/m <sup>3</sup>	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	-
Myrcene 123-35-3	-	-	-	TWA: 40 ppm TWA: 275 mg/m <sup>3</sup> STEL: 60 ppm STEL: 343.75 mg/m <sup>3</sup>	-
alpha-Pinene 80-56-8	-	Skin STEL: 40 ppm STEL: 224 mg/m <sup>3</sup> TWA: 20 ppm TWA: 112 mg/m <sup>3</sup>	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> Skin STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	-
beta-Pinene 127-91-3	-	Skin STEL: 40 ppm STEL: 224 mg/m <sup>3</sup> TWA: 20 ppm TWA: 112 mg/m <sup>3</sup>	-	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	-
Camphene 79-92-5	-	Skin STEL: 40 ppm STEL: 224 mg/m <sup>3</sup> TWA: 20 ppm TWA: 112 mg/m <sup>3</sup>	-	-	-

**8.2  
EXPOSURE CONTROLS**



**EYE PROTECTION** WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.

**HAND PROTECTION** WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.

**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.
<b>HYGIENE MEASURES</b>	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
<b>ENGINEERING MEASURES</b>	PROVIDE ADEQUATE VENTILATION.
<b>SKIN PROTECTION</b>	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.
<b>PERSONAL PROTECTION</b>	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.
<b>OTHER PROTECTION</b>	WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.
<b>PROCESS CONDITIONS</b>	ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.
<b>ENVIRONMENTAL EXPOSURE CONTROLS</b>	AVOID DISCHARGING INTO DRAINAGE WATER.

## SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

### 9.1 PHYSICAL & CHEMICAL PROPERTIES

<b>APPEARANCE</b>	CLEAR
<b>COLOUR</b>	COLOURLESS – ALMOST COLOURLESS
<b>ODOUR</b>	CHARACTERISTIC
<b>RELATIVE DENSITY</b>	0.890 - 0.906 @ 25°C
<b>FLASH POINT (°C)</b>	59°C
<b>REFRACTIVE INDEX @ 20 °C</b>	1.4700 – 1.4750 @ 20°C
<b>SOLUBILITY IN WATER @ 20 °C</b>	NO DATA.

### 9.2 OTHER INFORMATION

NO DATA.

## SECTION 10: STABILITY & REACTIVITY

<b>10.1 REACTIVITY</b>	NO HAZARDOUS REACTIONS IF STORED AND HANDLED AS PRESCRIBED / INDICATED.
<b>10.2 CHEMICAL STABILITY</b>	STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).
<b>10.3 POSSIBILITY OF HAZARDOUS REACTIONS</b>	NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.
<b>10.4 CONDITIONS TO AVOID</b>	HEAT, FLAMES AND SPARKS.
<b>10.5 INCOMPATIBLE MATERIALS</b>	STRONG OXIDISING SUBSTANCES.
<b>10.6 HAZARDOUS DECOMPOSITION PRODUCTS</b>	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

<b>ACUTE TOXICITY</b>	HARMFUL IF SWALLOWED
<b>SKIN IRRITATION</b>	CAUSES SKIN IRRITATION.

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<b>EYE DAMAGE OR IRRITATION</b>	CAUSES SERIOUS EYE IRRITATION
<b>RESPIRATORY OR SKIN SENSITIVITY</b>	MAY CAUSE SENSITISATION BY SKIN CONTACT
<b>GERM CELL MUTAGENICITY</b>	NOY CLASSIFIED.
<b>CARCINOGENICITY</b>	NOY CLASSIFIED.
<b>REPRODUCTIVE TOXICITY</b>	NOY CLASSIFIED.
<b>STOT - SINGLE EXPOSURE</b>	NOY CLASSIFIED.
<b>STOT - REPEATED EXPOSURE</b>	NOY CLASSIFIED.
<b>ASPIRATION HAZARD</b>	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
<b>OTHER INFORMATION</b>	NO DATA.

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 TOXICITY</b>	TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. THE PRODUCT MUST NOT BE ALLOWED TO RUN INTO DRAINS OR WATERWAYS.
<b>12.2 PERSISTENCE &amp; DEGRADABILITY</b>	NO DATA
<b>12.3 BIO- ACCUMULATIVE POTENTIAL</b>	NO DATA
<b>12.4 MOBILITY IN SOIL</b>	NO DATA.
<b>12.5 RESULTS OF PBT &amp; VPVB ASSESSMENT</b>	NO DATA.
<b>12.6 OTHER ADVERSE EFFECTS</b>	DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS.

## SECTION 13: DISPOSAL INFORMATION

<b>13.1 WASTE TREATMENT METHODS</b>	ALWAYS RECOVER SPILLED PRODUCT. DISCARD WASTE MATERIAL WITH AUTHORIZED WASTE MANAGEMENT SERVICES. ACT IN ACCORDANCE WITH LOCAL & NATIONAL WASTE REGULATIONS.
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## SECTION 14: TRANSPORT INFORMATION

<b>14.1 TRANSPORT INFORMATION</b>	
<b>UN NUMBER</b>	ROAD: 1169 RAIL: 1169 AIR: 1169
<b>14.2 UN SHIPPING NAME</b>	UN1169=EXTRACTS, AROMATIC, LIQUID
<b>14.3 TRANSPORT HAZARD CLASS(ES)</b>	ADR/RID/ADN CLASS: 3: FLAMMABLE LIQUID IMDG CLASS: 3 ICAO CLASS/DIVISION: 3

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	TRANSPORT LABELS																																	
<b>14.4 PACKING GROUP</b>	NONE.																																	
<b>14.5 ENVIROMENTAL HAZARDS</b>	ENVIRONMENTALLY HAZARDOUS / MARINE POLLUTANT.																																	
<b>14.6 SPECIAL PRECAUTIONS FOR USER</b>	<table border="1"> <thead> <tr> <th>ADR/RID</th> <th>IMDG</th> <th>IATA</th> </tr> </thead> <tbody> <tr> <td>Class: 3</td> <td>Class: 3</td> <td>Class: 3</td> </tr> <tr> <td>Code: F1</td> <td>2*Label: -</td> <td>2*Label: -</td> </tr> <tr> <td>Pack Grp: III</td> <td>Pack Grp: III</td> <td>Pack Grp: III</td> </tr> <tr> <td>Label: 3</td> <td>LQ 5L</td> <td>Passager: 355 Y344</td> </tr> <tr> <td>Ident: -</td> <td>EMS F-E, S-D</td> <td>Passager: 60L 10L</td> </tr> <tr> <td>LQ 5L</td> <td>Provis: 223 955</td> <td>Cargo: 366 -</td> </tr> <tr> <td>Provis. 601</td> <td>EQ E1</td> <td>Cargo: 220L -</td> </tr> <tr> <td>EQ E1</td> <td></td> <td>Note: A3 A3</td> </tr> <tr> <td>Cat 3</td> <td></td> <td>EQ: E1 E1</td> </tr> <tr> <td>Tunnel E</td> <td></td> <td></td> </tr> </tbody> </table> <p>For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG. For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.</p>	ADR/RID	IMDG	IATA	Class: 3	Class: 3	Class: 3	Code: F1	2*Label: -	2*Label: -	Pack Grp: III	Pack Grp: III	Pack Grp: III	Label: 3	LQ 5L	Passager: 355 Y344	Ident: -	EMS F-E, S-D	Passager: 60L 10L	LQ 5L	Provis: 223 955	Cargo: 366 -	Provis. 601	EQ E1	Cargo: 220L -	EQ E1		Note: A3 A3	Cat 3		EQ: E1 E1	Tunnel E		
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<b>14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 &amp; THE IBC CODE.</b>	<i>No DATA</i>																																	
<b>SECTION 15: REGULATORY INFORMATION</b>																																		
<b>15.1 PRODUCT SPECIFIC SAFETY, HEALTH &amp; ENVIRONMENTAL REGULATIONS &amp; LEGISLATION</b>																																		
<b>EU DIRECTIVES</b>	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 <sup>TH</sup> 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).																																	
<b>STATUTORY INSTRUMENTS</b>	THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 No 716).																																	
<b>APPROVED CODE OF PRACTICE</b>	CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA																																	

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	SHEETS FOR SUBSTANCES & PREPARATIONS.
<b>GUIDANCE NOTES</b>	WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.
<b>15.2 CHEMICAL SAFETY ASSESSMENT</b>	-

## SECTION 16: OTHER INFORMATION

HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H226 - FLAMMABLE LIQUID AND VAPOR H227 - COMBUSTIBLE LIQUID H228 - FLAMMABLE SOLID 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 H320 - CAUSES 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 H413 - MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE
<b>TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.</b>	
<b>ABBREVIATIONS &amp; ACRONYMS:</b>	
<b>MSDS</b>	MATERIAL SAFETY DATA SHEET.
<b>INCI</b>	INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS.
<b>CAS</b>	CHEMICAL ABSTRACT SERVICE.
<b>IMDG</b>	INTERNATIONAL MARITIME CODE FOR DANGEROUS GOODS.
<b>ADR</b>	ACCORD EUROPEAN SUR LE TRANSPORT DES MARCHANDISES DANGEREUSES PAR ROUTE (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD).
<b>RID</b>	INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY RAIL.
<b>ICAO</b>	INTERNATIONAL CIVIL AVIATION ORGANIZATION.
<b>AND</b>	INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS.
<b>GHS</b>	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.
<b>TREM CARD</b>	TRANSPORT EMERGENCY CARD.
<b>STOT</b>	SPECIFIC TARGET ORGAN TOXICITY.

## DOCUMENTATION REVISION

DATE	CHANGE DESCRIPTION
10 <sup>TH</sup> APRIL 2018	DATA LAUNCH
OCTOBER 2020	REVIEWED
2021	REVIEW

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