



THE OIL FAMILY

Material Safety Data Sheet

EU Regulation: 2020/878

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

1.1 PRODUCT IDENTIFICATION					
PRODUCT NAME	ROSEMARY (VERBENONE), ESSENTIAL OIL				
BIOLOGICAL DEFINITION	ROSMARINUS OFFICINALIS LEAF OIL IS THE ESSENTIAL OIL OBTAINED FROM THE FLOWERING TOPS AND LEAVES OF THE ROSEMARY, ROSMARINUS OFFICINALIS L., LAMIACEAE CT VERBENONE				
INCI NAME	ROSMARINUS OFFICINALIS FLOWER OIL				
SYNONYMS & TRADE NAMES	-				
INTERNAL PRODUCT CODE	K0399				
CAS-No	84604-14-8 / 8000-25-7	EC No.	283-291-9	EINECS No.	283-291-9
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				
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
EMERGENCY CONTACTS	(07968 200167)				

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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 (EU 1272/2008)	PHYSICAL AND CHEMICAL: FLAM. LIQ. 3: FLAMMABLE LIQUIDS, CATEGORY 3, H226 HUMAN HEALTH: STOT SE 2: SPECIFIC TARGET ORGAN TOXICITY — SINGLE EXPOSURE, CATEGORY 2, H371, ASP. TOX. 1: ASPIRATION HAZARD, CATEGORY 1, H304, SKIN IRRIT. 2: SKIN IRRITATION, CATEGORY 2, H315, SKIN SENS. 1: SENSITISATION, SKIN, CATEGORY 1, H317 ENVIRONMENT: AQUATIC CHRONIC 2: HAZARDOUS TO THE AQUATIC ENVIRONMENT, LONG-TERM HAZARD, CATEGORY 2, H411
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.
GHS LABEL	     GHS07 GHS08 GHS09 GHS02 GHS05
SIGNAL WORD	DANGER.
CONTAINS	ALPHA PINENE, LIMONENE, L-BETA-PINENE, 7-METHYL-3-METHYLENEOCTA-1,6-DIENE, P-CYMENTE
HAZARDS STATEMENT	AQUATIC CHRONIC 2: H411 - TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. ASP. TOX. 1: H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. FLAM. LIQ. 3: H226 - FLAMMABLE LIQUID AND VAPOUR. SKIN IRRIT. 2: H315 - CAUSES SKIN IRRITATION. SKIN SENS. 1: H317 - MAY CAUSE AN ALLERGIC SKIN REACTION. STOT SE 2: H371 - MAY CAUSE DAMAGE TO ORGANS.
PRECAUTIONARY STATEMENTS	P210: KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING P260: DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY P264: WASH THOROUGHLY AFTER USE P280: WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION P301+P310: IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER/DOCTOR P302+P352: IF ON SKIN: WASH WITH PLENTY OF WATER P303+P361+P353: IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER P370+P378: IN CASE OF FIRE: USE ABC POWDER EXTINGUISHER TO EXTINGUISH. P403+P235: STORE IN A WELL-VENTILATED PLACE. KEEP COOL P501: DISPOSE OF CONTENTS AND / OR CONTAINERS IN ACCORDANCE WITH REGULATIONS ON HAZARDOUS WASTE OR PACKAGING AND PACKAGING WASTE RESPECTIVELY
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	NONE.
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 SUBSTANCE	20.0 – 30.0% ALPHA PINENE CAS No: 80-56-8 EC No: 201-291-9 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1: H304; FLAM. LIQ. 3: H226; SKIN IRRIT. 2: H315; SKIN SENS. 1B: H317 -DANGER

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	<p>20.0 – 30.0% CINEOL CAS No: 470-82-6 EC No: 207-431-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3: H226; SKIN SENS. 1B: H317 - WARNING</p>
	<p>10.0 – 20.0% DL-BORNAN-2-ONE CAS No: 21368-68-3 EC No: 244-350-4 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4: H302+H332; FLAM. SOL. 2: H228; STOT SE 2: H371 - WARNING</p>
	<p>7.0 – 10.0% CAMPHENE CAS No: 79-92-5 EC No: 201-234-8 CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 1: H400; AQUATIC CHRONIC 1: H410; EYE IRRIT. 2: H319; FLAM. SOL. 2: H228- WARNING</p>
	<p>4.0 – 7.0% LIMONENE CAS No: 5989-27-5 EC No: 227-813-5 CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 1: H400; AQUATIC CHRONIC 1: H410; ASP. TOX. 1: H304; FLAM. LIQ. 3: H226; SKIN IRRIT. 2: H315; SKIN SENS. 1: H317 - DANGER</p>
	<p>4.0 – 7.0% L-BETA-PINENE CAS No: 18172-67-3 EC No: 242-060-2 CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 1: H400; AQUATIC CHRONIC 1: H410; ASP. TOX. 1: H304; FLAM. LIQ. 3: H226; SKIN IRRIT. 2: H315; SKIN SENS. 1B: H317 – DANGER</p>
	<p>4.0 – 7.0% 7-METHYL-3-METHYLENOCTA-1,6-DIENE CAS No: 123-35-3 EC No: 204-622-5 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1: H304; EYE IRRIT. 2: H319; FLAM. LIQ. 3: H226; SKIN IRRIT. 2: H315 - DANGER</p>
	<p>1.0 – 4.0% P-CYME NE CAS No: 99-87-6 EC No: 202-796-7 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1: H304; EYE IRRIT. 2: H319; FLAM. LIQ. 3: H226; SKIN IRRIT. 2: H315; STOT SE3: H335 - DANGER</p>
	<p>1.0 – 4.0% LINALOOL CAS No: 78-70-6 EC No: 201-134-4 CLASSIFICATION (EC 1272/2008) EYE IRRIT. 2: H319; SKIN IRRIT. 2: H315 - WARNING</p>
	<p>1.0 – 4.0% P-MENTH-1-EN-8-OL CAS No: 98-55-5 EC No: 202-680-6 CLASSIFICATION (EC 1272/2008) EYE IRRIT. 2: H319; SKIN IRRIT. 2: H315 - WARNING</p>
	<p>1.0 – 4.0% 4,6,6-TRIMETHYLBICYCLO[3.1.1]HEPT-3-EN-2-ONE CAS No: 80-57-9 EC No: 201-292-4 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4: H302; SKIN SENS. 1: H317 - WARNING</p>

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. IN SERIOUS CASES SUCH AS CARDIORESPIRATORY FAILURE, ARTIFICIAL RESUSCITATION TECHNIQUES WILL BE NECESSARY (MOUTH TO MOUTH RESUSCITATION, CARDIAC MASSAGE, OXYGEN SUPPLY, ETC.)

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INGESTION	GET MEDICAL ATTENTION IMMEDIATELY. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION. DO NOT INDUCE VOMITING, BUT IF IT DOES HAPPEN KEEP THE HEAD DOWN TO AVOID ASPIRATION. IN THE CASE OF LOSS OF CONSCIOUSNESS DO NOT ADMINSTRATE ANYTHING ORALLY UNLESS SUPERVISED BY A DOCTOR. RINSE OUT THE MOUTH AND THROAT, AS THEY MAY HAVE BEEN AFFECTED DURING INGESTION. KEEP THE PERSON AFFECTED AT REST.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHING AND FOOTWEAR, RINSE SKIN OR SHOWER THE PERSON AFFECTED IF APPROPRIATE WITH PLENTY OF COLD WATER AND NEUTRAL SOAP. IN SERIOUS CASES SEE A DOCTOR. IF THE PRODUCT CAUSES BURNS OR FREEZING, CLOTHING SHOULD NOT BE REMOVED AS THIS COULD WORSEN THE INJURY CAUSED IF IT IS STUCK TO THE SKIN. IF BLISTERS FORM ON THE SKIN, THESE SHOULD NEVER BE BURST AS THIS WILL INCREASE THE RISK OF INFECTION.
EYE CONTACT	FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. IN ALL CASES, AFTER CLEANING, A DOCTOR SHOULD BE CONSULTED AS QUICKLY AS POSSIBLE WITH THE SDS OF THE PRODUCT.
4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	ACUTE AND DELAYED EFFECTS ARE INDICATED IN SECTIONS 2 AND 11
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	NOT APPLICABLE.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MATERIAL	IF POSSIBLE USE POLYVALENT POWDER FIRE EXTINGUISHERS (ABC POWDER), ALTERNATIVELY USE FOAM OR CARBON DIOXIDE EXTINGUISHERS (CO ₂). IT IS RECOMMENDED NOT TO USE TAP WATER AS AN EXTINGUISHING AGENT.
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	AS A RESULT OF COMBUSTION OR THERMAL DECOMPOSITION, IRRITATING VAPOURS/GASES MAY BE FORMED THAT CAN PRESENT A SERIOUS HEALTH RISK.
5.3 ADVICE FOR FIRE-FIGHTERS	DEPENDING ON THE MAGNITUDE OF THE FIRE IT MAY BE NECESSARY TO USE FULL PROTECTIVE CLOTHING AND INDIVIDUAL RESPIRATORY EQUIPMENT. MINIMUM EMERGENCY FACILITIES AND EQUIPMENT SHOULD BE AVAILABLE (FIRE BLANKETS, PORTABLE FIRST AID KIT) IN ACCORDANCE WITH DIRECTIVE 89/654/EC. ACT IN ACCORDANCE WITH THE INTERNAL EMERGENCY PLAN AND THE INFORMATION SHEETS ON ACTIONS TO TAKE AFTER AN ACCIDENT OR OTHER EMERGENCIES. DESTROY ANY SOURCE OF IGNITION. IN CASE OF FIRE, REFRIGERATE THE STORAGE CONTAINERS AND TANKS FOR PRODUCTS SUSCEPTIBLE TO INFLAMMATION, EXPLOSION OR BLEVE AS A RESULT OF HIGH TEMPERATURES. AVOID SPILLAGE OF THE PRODUCTS USED TO EXTINGUISH THE FIRE INTO AN AQUEOUS MEDIUM.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS	ISOLATE LEAKS PROVIDED THAT THERE IS NO ADDITIONAL RISK FOR THE PEOPLE PERFORMING THIS TASK. EVACUATE THE AREA AND KEEP OUT THOSE WITHOUT PROTECTION. PERSONAL PROTECTION EQUIPMENT MUST BE USED AGAINST POTENTIAL CONTACT WITH THE SPILT PRODUCT (SEE SECTION 8). ABOVE ALL PREVENT THE FORMATION OF ANY VAPOUR-AIR FLAMMABLE MIXTURES, THROUGH EITHER VENTILATION OR THE USE OF AN INERTISATION AGENT. DESTROY ANY SOURCE OF IGNITION. ELIMINATE ELECTROSTATIC CHARGES BY INTERCONNECTING ALL THE CONDUCTIVE SURFACES ON WHICH STATIC ELECTRICITY COULD FORM, AND ALSO ENSURING THAT ALL SURFACES ARE CONNECTED TO THE GROUND.
6.2 ENVIRONMENTAL PRECAUTIONS	AVOID AT ALL COST ANY TYPE OF SPILLAGE INTO AN AQUEOUS MEDIUM. CONTAIN THE PRODUCT ABSORBED APPROPRIATELY IN HERMETICALLY SEALED CONTAINERS. NOTIFY THE RELEVANT AUTHORITY IN CASE OF EXPOSURE TO THE GENERAL PUBLIC OR THE ENVIRONMENT.
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	PRECAUTIONS FOR SAFE HANDLING: COMPLY WITH THE CURRENT LEGISLATION CONCERNING THE PREVENTION OF INDUSTRIAL RISKS. KEEP CONTAINERS SEALED. CONTROL SPILLS AND RESIDUES (SEE SECTION 6). AVOID LEAKAGES FROM THE CONTAINER. MAINTAIN ORDER AND CLEANLINESS WHERE DANGEROUS PRODUCTS ARE USED. TECHNICAL RECOMMENDATIONS FOR THE PREVENTION OF FIRES AND EXPLOSIONS: TRANSFER IN WELL VENTILATED AREAS, PREFERABLY THROUGH LOCALIZED EXTRACTION. FULLY CONTROL SOURCES OF IGNITION (MOBILE PHONES, SPARKS,...) AND VENTILATE DURING CLEANING OPERATIONS. AVOID THE EXISTENCE OF DANGEROUS ATMOSPHERES INSIDE CONTAINERS, APPLYING INERTISATION SYSTEMS WHERE POSSIBLE. TRANSFER AT A SLOW SPEED TO AVOID THE CREATION OF ELECTROSTATIC CHARGES. AGAINST THE POSSIBILITY OF ELECTROSTATIC CHARGES: ENSURE A PERFECT EQUIPOTENTIAL CONNECTION, ALWAYS USE GROUNDINGS, DO NOT WEAR WORK CLOTHES MADE OF ACRYLIC FIBRES, PREFERABLY WEARING COTTON CLOTHING AND CONDUCTIVE FOOTWEAR. COMPLY WITH THE ESSENTIAL SECURITY
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	<p>REQUIREMENTS FOR EQUIPMENT AND SYSTEMS DEFINED IN DIRECTIVE 94/9/EC (ATEX 100) AND WITH THE MINIMUM REQUIREMENTS FOR PROTECTING THE SECURITY AND HEALTH OF WORKERS UNDER THE SELECTION CRITERIA OF DIRECTIVE 1999/92/EC (ATEX 137). CONSULT SECTION 10 FOR CONDITIONS AND MATERIALS THAT SHOULD BE AVOIDED.</p> <p>TECHNICAL RECOMMENDATIONS TO PREVENT ERGONOMIC AND TOXICOLOGICAL RISKS: DO NOT EAT OR DRINK DURING THE PROCESS, WASHING HANDS AFTERWARDS WITH SUITABLE CLEANING PRODUCTS.</p> <p>TECHNICAL RECOMMENDATIONS TO PREVENT ENVIRONMENTAL RISKS: DUE TO THE DANGER OF THIS PRODUCT FOR THE ENVIRONMENT IT IS RECOMMENDED TO USE IT WITHIN AN AREA CONTAINING CONTAMINATION CONTROL BARRIERS IN CASE OF SPILLAGE, AS WELL AS HAVING ABSORBENT MATERIAL IN CLOSE PROXIMITY.</p>
<p>7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES</p>	<p>TEMPERATURE FOR STORAGE: MAX TEMP. 25°C</p> <p>GENERAL CONDITIONS FOR STORAGE: AVOID SOURCES OF HEAT, RADIATION, STATIC ELECTRICITY AND CONTACT WITH FOOD.</p> <p>FOR ADDITIONAL INFORMATION SEE SUBSECTION 10.5</p>
<p>7.3 SPECIFIC END USE(S)</p>	<p>EXCEPT FOR THE INSTRUCTIONS ALREADY SPECIFIED IT IS NOT NECESSARY TO PROVIDE ANY SPECIAL RECOMMENDATION REGARDING THE USES OF THIS PRODUCT.</p>

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

<p>8.1 CONTROL PARAMETERS</p>	DNEL (workers):					
			Short exposure		Long exposure	
	Identification		Systemic	Local	Systemic	Local
	Pinene	Oral	n/a	n/a	n/a	n/a
	CAS: 80-56-8	Dermal	n/a	n/a	n/a	n/a
	EC: 201-291-9	Inhalation	n/a	n/a	5.98 mg/m ³	n/a
	Cineole	Oral	n/a	n/a	n/a	n/a
	CAS: 470-82-6	Dermal	n/a	n/a	2 mg/kg	n/a
	EC: 207-431-5	Inhalation	n/a	n/a	7.05 mg/m ³	n/a
	Camphene	Oral	n/a	n/a	n/a	n/a
	CAS: 79-92-5	Dermal	1.25 mg/kg N	n/a	0.21 mg/kg	n/a
	EC: 201-234-8	Inhalation	110.19 mg/m ³	n/a	110.19 mg/m ³	n/a
	d-Limonene	Oral	n/a	n/a	n/a	n/a
	CAS: 5989-27-5	Dermal	n/a	n/a	n/a	n/a
	EC: 227-813-5	Inhalation	n/a	n/a	33.3 mg/m ³	n/a
(-)-pin-2(10)-ene	Oral	n/a	n/a	n/a	n/a	
CAS: 18172-67-3	Dermal	n/a	n/a	n/a	n/a	
EC: 242-060-2	Inhalation	n/a	n/a	5.98 mg/m ³	n/a	
7-methyl-3-methyleneocta-1,6-diene	Oral	n/a	n/a	n/a	n/a	
CAS: 123-35-3	Dermal	n/a	n/a	0.83 mg/kg	n/a	
EC: 204-622-5	Inhalation	n/a	n/a	5.83 mg/m ³	n/a	

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Linalool	Oral	n/a	n/a	n/a	n/a
CAS: 78-70-6	Dermal	5 mg/kg	n/a	2.5 mg/kg	n/a
EC: 201-134-4	Inhalation	16.5 mg/m ³	n/a	2.8 mg/m ³	n/a
DNEL (General population):					
			Short exposure		Long exposure
Identification		Systemic	Local	Systemic	Local
Pinene	Oral	n/a	n/a	0.31 mg/kg	n/a
CAS: 80-56-8	Dermal	n/a	n/a	n/a	n/a
EC: 201-291-9	Inhalation	n/a	n/a	1.06 mg/m ³	n/a
Cineole	Oral	n/a	n/a	600 mg/kg	n/a
CAS: 470-82-6	Dermal	n/a	n/a	1 mg/kg	n/a
EC: 207-431-5	Inhalation	n/a	n/a	1.74 mg/m ³	n/a
Camphene	Oral	0.625 mg/kg	n/a	0.1 mg/kg	n/a
CAS: 79-92-5	Dermal	0.625 mg/kg	n/a	0.1 mg/kg	n/a
EC: 201-234-8	Inhalation	54.3 mg/m ³	n/a	54.3 mg/m ³	n/a
d-Limonene	Oral	n/a	n/a	4.76 mg/kg	n/a
CAS: 5989-27-5	Dermal	n/a	n/a	n/a	n/a
EC: 227-813-5	Inhalation	n/a	n/a	8.33 mg/m ³	n/a
(-)-pin-2(10)-ene	Oral	n/a	n/a	0.31 mg/kg	n/a
CAS: 18172-67-3	Dermal	n/a	n/a	n/a	n/a
EC: 242-060-2	Inhalation	n/a	n/a	1.06 mg/m ³	n/a

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d-Limonene	STP	1.8 mg/L	Fresh water	0.0054 mg/L
CAS: 5989-27-5	Soil	0.262 mg/kg	Marine water	0.00054 mg/L
EC: 227-813-5	Intermittent	n/a	Sediment (Fresh water)	1.32 mg/kg
	Oral	3.33 g/kg	Sediment (Marine water)	0.13 mg/kg
(-)-pin-2(10)-ene	STP	3.26 mg/L	Fresh water	0.002 mg/L
CAS: 18172-67-3	Soil	0.49 mg/kg	Marine water	0.0002 mg/L
EC: 242-060-2	Intermittent	n/a	Sediment (Fresh water)	0.485 mg/kg
	Oral	1.35 g/kg	Sediment (Marine water)	0.048 mg/kg
7-methyl-3-methyleneocta-1,6-diene	STP	0.2 mg/L	Fresh water	0.008 mg/L
CAS: 123-35-3	Soil	1.015 mg/kg	Marine water	0.0008 mg/L
EC: 204-622-5	Intermittent	n/a	Sediment (Fresh water)	5.022 mg/kg
	Oral	2.78 g/kg	Sediment (Marine water)	0.502 mg/kg
Linalool	STP	10 mg/L	Fresh water	0.2 mg/L
CAS: 78-70-6	Soil	0.327 mg/kg	Marine water	0.02 mg/L
EC: 201-134-4	Intermittent	2 mg/L	Sediment (Fresh water)	2.22 mg/kg
	Oral	7.8 g/kg	Sediment (Marine water)	0.222 mg/kg
P-menth-1-en-8-ol	STP	2.6 mg/L	Fresh water	0.068 mg/L
CAS: 98-55-5	Soil	0.329 mg/kg	Marine water	0.0068 mg/L
EC: 202-680-6	Intermittent	n/a	Sediment (Fresh water)	1.85 mg/kg
	Oral	n/a	Sediment (Marine water)	0.185 mg/kg

8.2

EXPOSURE CONTROLS



EYE PROTECTION

MANDATORY FACE PROTECTION
PPE: FACE MASK
LABELLING: CE CAT II

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	<p>CEN STANDARD: EN 166:2001 EN 167:2001 EN 168:2001 EN ISO 4007:2012</p> <p>REMARKS: CLEAN DAILY AND DISINFECT PERIODICALLY ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. USE IF THERE IS A RISK OF SPLASHING.</p>
HAND PROTECTION	<p>MANDATORY HAND PROTECTION</p> <p>PPE: NON-DISPOSABLE CHEMICAL PROTECTIVE GLOVES</p> <p>LABELLING: CE CAT III</p> <p>CEN STANDARD: EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009</p> <p>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.</p>
RESPIRATORY EQUIPMENT	<p>MANDATORY RESPIRATORY TRACT PROTECTION</p> <p>PPE: FILTER MASK FOR GASES AND VAPOURS</p> <p>LABELLING: CE CAT III</p> <p>CEN STANDARD: EN 405:2001+A1:2009</p> <p>REMARKS: REPLACE WHEN THERE IS A TASTE OR SMELL OF THE CONTAMINANT INSIDE THE FACE MASK. IF THE CONTAMINANT COMES WITH WARNINGS IT IS RECOMMENDED TO USE ISOLATION EQUIPMENT.</p>
HYGIENE MEASURES	<p>IN ACCORDANCE WITH THE ORDER OF IMPORTANCE TO CONTROL PROFESSIONAL EXPOSURE (DIRECTIVE 98/24/EC) IT IS RECOMMENDED TO USE LOCALIZED EXTRACTION IN THE WORK AREA AS A COLLECTIVE PROTECTION MEASURE TO AVOID EXCEEDING THE PROFESSIONAL EXPOSURE LIMITS. IN CASE OF USING INDIVIDUAL PROTECTION EQUIPMENT THEY SHOULD HAVE THE CE MARKING IN ACCORDANCE WITH DIRECTIVE 89/686/EC. FOR MORE INFORMATION ON PERSONAL PROTECTION EQUIPMENT (STORAGE, USE, CLEANING, MAINTENANCE, CLASS OF PROTECTION,...) CONSULT THE INFORMATION LEAFLET PROVIDED BY THE MANUFACTURER. FOR ADDITIONAL INFORMATION SEE SUBSECTION 7.1.</p> <p>ALL INFORMATION CONTAINED HEREIN IS A RECOMMENDATION WHICH NEEDS SOME SPECIFICATION FROM THE LABOUR RISK PREVENTION SERVICES AS IT IS NOT KNOWN WHETHER THE COMPANY HAS ADDITIONAL MEASURES AT ITS DISPOSAL.</p>
ENGINEERING MEASURES	<p>ENSURE ADEQUATE VENTILATION.</p>
SKIN PROTECTION	<p>WEAR PROTECTIVE CLOTHING IN CASE OF SPLASHES. ENSURE EMERGENCY SHOWER IS AVAILABLE IN CASE OF CONTACT WITH SKIN. ENSURE EYEWASH STATION IS PROVIDED.</p>
PERSONAL PROTECTION	<p>AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.</p>
OTHER PROTECTION	<p>MANDATORY COMPLETE BODY PROTECTION</p> <p>PPE: DISPOSABLE CLOTHING FOR PROTECTION AGAINST CHEMICAL RISKS, WITH ANTISTATIC AND FIREPROOF PROPERTIES.</p> <p>LABELLING: CE CAT III</p> <p>CEN STANDARD: EN 1149-1,2,3 EN 13034:2005+A1:2009</p> <p>EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2001 EN ISO 6530:2005</p> <p>EN ISO 13688:2013 EN 464:1994</p> <p>REMARKS: FOR PROFESSIONAL USE ONLY. CLEAN PERIODICALLY ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.</p> <p>MANDATORY FOOT PROTECTION</p> <p>PPE: SAFETY FOOTWEAR FOR PROTECTION AGAINST CHEMICAL RISK, WITH ANTISTATIC AND HEAT RESISTANT PROPERTIES</p> <p>LABELLING: CE CAT III</p> <p>CEN STANDARD: EN 13287:2008 EN ISO 20345:2011 EN 13832-1:2006</p> <p>REMARKS: REPLACE BOOTS AT ANY SIGN OF DETERIORATION..</p>
PROCESS CONDITIONS	<p>ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.</p>
ENVIRONMENTAL EXPOSURE CONTROLS	<p>IN ACCORDANCE WITH THE COMMUNITY LEGISLATION FOR THE PROTECTION OF THE ENVIRONMENT IT IS RECOMMENDED TO AVOID ENVIRONMENTAL SPILLAGE OF BOTH THE PRODUCT AND ITS CONTAINER. FOR ADDITIONAL INFORMATION SEE SUBSECTION 7.1.D</p> <p>VOLATILE ORGANIC COMPOUNDS:</p> <p>WITH REGARD TO DIRECTIVE 2010/75/EU, THIS PRODUCT HAS THE FOLLOWING CHARACTERISTICS:</p> <p>AVERAGE MOLECULAR WEIGHT: 144.31 G/MOL</p> <p>AVERAGE CARBON NUMBER: 10.07</p> <p>V.O.C. DENSITY AT 20°C: 616.76 KG/M³ (616.76 G/L)</p> <p>V.O.C. (SUPPLY): 68 % WEIGHT</p>

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SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	
9.1 PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE	CLEAR
COLOUR	COLOURLESS – PALE YELLOW
ODOUR	CHARACTERISTIC, HERBACIOUS AND MINTY.
RELATIVE DENSITY	APPROX 0.915 @ 20°C
FLASH POINT (°C)	46°C
REFRACTIVE INDEX @ 20 °C	APPROX 1.471 @ 20°C
SOLUBILITY IN WATER @ 20 °C	INSOLUBLE IN WATER
9.2 OTHER INFORMATION	BOILING POINT (°C): 174 AT ATMOSPHERIC PRESSURE. VAPOUR PRESSURE : 283PA @20°C, 1503PA @50°C AUTO-IGNITION TEMPERATURE (°C): 235
9.2.1 INFORMATION WITH REGARD TO PHYSICAL HAZARD CLASSES	NO DATA.
9.2.2 OTHER SAFETY CHARACTERISTICS	NO DATA.
SECTION 10: STABILITY & REACTIVITY	
10.1 REACTIVITY	NO HAZARDOUS REACTIONS IF STORED AND HANDLED AS PRESCRIBED / INDICATED.
10.2 CHEMICAL STABILITY	STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	UNDER THE SPECIFIED CONDITIONS, HAZARDOUS REACTIONS THAT LEAD TO EXCESSIVE TEMPERATURES OR PRESSURE ARE NOT EXPECTED.
10.4 CONDITIONS TO AVOID	AVOID EXTREMES OF TEMPERATURE AND DIRECT SUNLIGHT.
10.5 INCOMPATIBLE MATERIALS	STRONG OXIDISING SUBSTANCES, AVOID ALKALIS AND STRONG BASES & COMBUSTIVE MATERIALS.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	SEE SUBSECTION 10.3, 10.4 AND 10.5 TO FIND OUT THE SPECIFIC DECOMPOSITION PRODUCTS. DEPENDING ON THE DECOMPOSITION CONDITIONS, COMPLEX MIXTURES OF CHEMICAL SUBSTANCES CAN BE RELEASED: CARBON DIOXIDE (CO ₂), CARBON MONOXIDE AND OTHER ORGANIC COMPOUNDS.

SECTION 11: TOXICOLOGICAL INFORMATION	
11.1 TOXICOLOGICAL EFFECTS	
ACUTE TOXICITY	- ACUTE TOXICITY : BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET, HOWEVER, IT CONTAINS SUBSTANCES CLASSIFIED AS DANGEROUS FOR CONSUMPTION. FOR MORE INFORMATION SEE SECTION 3. - CORROSIVITY/IRRITABILITY: THE CONSUMPTION OF A CONSIDERABLE DOSE CAN CAUSE IRRITATION IN THE THROAT, ABDOMINAL PAIN, NAUSEA AND VOMITING.
SKIN IRRITATION	PRODUCES SKIN INFLAMMATION.
EYE DAMAGE OR IRRITATION	- CONTACT WITH THE SKIN: PRODUCES SKIN INFLAMMATION. - CONTACT WITH THE EYES: BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET, HOWEVER IT DOES CONTAIN SUBSTANCES CLASSIFIED AS DANGEROUS FOR THIS EFFECT. FOR MORE INFORMATION SEE SECTION
RESPIRATORY OR SKIN SENSITIVITY	- ACUTE TOXICITY : BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET,

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	HOWEVER, IT CONTAINS SUBSTANCES CLASSIFIED AS DANGEROUS FOR INHALATION. FOR MORE INFORMATION SEE SECTION 3. - CORROSIVITY/IRRITABILITY: BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET, HOWEVER, IT CONTAINS SUBSTANCES CLASSIFIED AS DANGEROUS FOR INHALATION. FOR MORE INFORMATION SEE SECTION 3.
GERM CELL MUTAGENICITY	BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET, AS IT DOES NOT CONTAIN SUBSTANCES CLASSIFIED AS DANGEROUS FOR THIS EFFECT. FOR MORE INFORMATION SEE SECTION 3.
CARCINOGENICITY	BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET, AS IT DOES NOT CONTAIN SUBSTANCES CLASSIFIED AS DANGEROUS FOR THIS EFFECT. FOR MORE INFORMATION SEE SECTION 3.
REPRODUCTIVE TOXICITY	BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET, AS IT DOES NOT CONTAIN SUBSTANCES CLASSIFIED AS DANGEROUS FOR THIS EFFECT. FOR MORE INFORMATION SEE SECTION 3.
STOT – SINGLE EXPOSURE	HARMFUL EFFECTS FOR HEALTH IN THE CASE OF INGESTION, CONTACT WITH THE SKIN OR INHALATION AFTER A SINGLE EXPOSURE, RESULTING IN DEPRESSION OF THE CENTRAL NERVOUS SYSTEM CAUSING HEADACHE, DIZZINESS, VERTIGO, NAUSEA, VOMITING, CONFUSION AND, IN SERIOUS CASES, LOSS OF CONSCIOUSNESS.
STOT – REPEATED EXPOSURE	SPECIFIC TARGET ORGAN TOXICITY (STOT)-REPEATED EXPOSURE: BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET, AS IT DOES NOT CONTAIN SUBSTANCES CLASSIFIED AS DANGEROUS FOR THIS EFFECT. FOR MORE INFORMATION SEE SECTION 3. - SKIN: BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET, AS IT DOES NOT CONTAIN SUBSTANCES CLASSIFIED AS DANGEROUS FOR THIS EFFECT. FOR MORE INFORMATION SEE SECTION 3.
ASPIRATION HAZARD	CONSUMPTION OF A CONSIDERABLE DOSE CAN CAUSE PULMONARY DAMAGE.
11.2 INFORMATION ON OTHER HAZARDS	NO DATA.
SECTION 12: ECOLOGICAL INFORMATION	
12.1 TOXICITY	NO ADDITIONAL DATA AVAILABLE.
12.2 PERSISTENCE & DEGRADABILITY	

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Identification	Degradability		Biodegradability	
Pinene	BOD5	n/a	Concentration	100 mg/L
CAS: 80-56-8	COD	n/a	Period	28 days
EC: 201-291-9	BOD5/COD	n/a	% Biodegradable	95 %
Camphene	BOD5	n/a	Concentration	100 mg/L
CAS: 79-92-5	COD	n/a	Period	28 days
EC: 201-234-8	BOD5/COD	n/a	% Biodegradable	4 %
d-Limonene	BOD5	n/a	Concentration	n/a
CAS: 5989-27-5	COD	n/a	Period	28 days
EC: 227-813-5	BOD5/COD	n/a	% Biodegradable	100 %
(-)-pin-2(10)-ene	BOD5	n/a	Concentration	2 mg/L
CAS: 18172-67-3	COD	n/a	Period	28 days
EC: 242-060-2	BOD5/COD	n/a	% Biodegradable	76 %
7-methyl-3-methyleneocta-1,6-diene				
	BOD5	n/a	Concentration	100 mg/L
CAS: 123-35-3	COD	n/a	Period	14 days
EC: 204-622-5	BOD5/COD	n/a	% Biodegradable	86 %
p-cimeno	BOD5	n/a	Concentration	100 mg/L
CAS: 99-87-6	COD	n/a	Period	14 days
EC: 202-796-7	BOD5/COD	n/a	% Biodegradable	88 %
Linalool	BOD5	n/a	Concentration	100 mg/L
CAS: 78-70-6	COD	n/a	Period	28 days
EC: 201-134-4	BOD5/COD	0.55 %	Biodegradable	90 %

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12.3
BIO- ACCUMULATIVE POTENTIAL

Identification	Bioaccumulation potential	
Pin-2(3)-eno	BCF	2800
CAS: 80-56-8	Pow Log	4.83
EC: 201-291-9	Potential	Very High
Cineole	BCF	
CAS: 470-82-6	Pow Log	2.74
EC: 207-431-5	Potential	
DL-bornan-2-one	BCF	
CAS: 21368-68-3	Pow Log	2.38
EC: 244-350-4	Potential	
Camphene	BCF	1290
CAS: 79-92-5	Pow Log	4.22
EC: 201-234-8	Potential	Very High
d-Limonene	BCF	660
CAS: 5989-27-5	Pow Log	4.83
EC: 227-813-5	Potential	High
(-)-pin-2(10)-ene	BCF	1100
CAS: 18172-67-3	Pow Log	4.4
EC: 242-060-2	Potential	Very High
7-methyl-3-methyleneocta-1,6-diene	BCF	324
CAS: 123-35-3	Pow Log	5.29
EC: 204-622-5	Potential	High

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12.4 MOBILITY IN SOIL	Identification	Absorption/desorption		Volatility	
	Pin-2(3)-eno	Koc	n/a	Henry	n/a
	CAS: 80-56-8	Conclusion	n/a	Dry soil	n/a
	EC: 201-291-9	Surface tension	2.587E-2 N/m (25°C)	Moist soil	n/a
	Cineole	Koc	n/a	Henry	n/a
	CAS: 470-82-6	Conclusion	n/a	Dry soil	n/a
	EC: 207-431-5	Surface tension	3.24E-2 N/m (25°C)	Moist soil	n/a
	Camphene	Koc	n/a	Henry	n/a
	CAS: 79-92-5	Conclusion	n/a	Dry soil	n/a
	EC: 201-234-8	Surface tension	1.098E-2 N/m (205.93°C)	Moist soil	n/a
	d-Limonene	Koc	6324	Henry	n/a
	CAS: 5989-27-5	Conclusion		Dry soil	n/a
	EC: 227-813-5	Surface tension	2.675E-2 N/m (25°C)	Moist soil	n/a
	(-)-pin-2(10)-ene	Koc	2080	Henry	n/a
	CAS: 18172-67-3	Conclusion	Low	Dry soil	n/a
	EC: 242-060-2	Surface tension	2.685E-2 N/m (25°C)	Moist soil	n/a
	7-methyl-3-methyleneocta-1,6-diene	Koc	1300	Henry	6.515E+3 Pa·m ³ /mol
	CAS: 123-35-3	Conclusion	Low	Dry soil	n/a
	EC: 204-622-5	Surface tension	n/a	Moist soil	Yes
	p-cimeno	Koc	4050	Henry	1.115E+3 Pa·m ³ /mol
CAS: 99-87-6	Conclusion	Low	Dry soil	n/a	
EC: 202-796-7	Surface tension	2.835E-2 N/m (25°C)	Moist soil	Yes	
12.5 RESULTS OF PBT & VPVB ASSESSMENT	NOT APPLICABLE.				
12.6 ENDOCRINE DISRUPTING PROPERTIES	NO ADDITIONAL DATA AVAILABLE.				
12.7 OTHER ADVERSE EFFECTS	NO ADDITIONAL DATA AVAILABLE.				
SECTION 13: DISPOSAL INFORMATION					
13.1 WASTE TREATMENT METHODS	CODE IT IS NOT POSSIBLE TO ASSIGN A SPECIFIC CODE, AS IT DEPENDS ON THE INTENDED USE BY THE USER	DESCRIPTION	WASTE CLASS (REGULATION (EU) No 1357/2014) DANGEROUS		
	TYPE OF WASTE (REGULATION (EU) No 1357/2014): HP3 FLAMMABLE, HP5 SPECIFIC TARGET ORGAN TOXICITY (STOT)/ASPIRATION TOXICITY, HP14 ECOTOXIC, HP4 IRRITANT — SKIN IRRITATION AND EYE DAMAGE, HP13 SENSITISING WASTE MANAGEMENT (DISPOSAL AND EVALUATION): CONSULT THE AUTHORIZED WASTE SERVICE MANAGER ON THE ASSESSMENT AND DISPOSAL OPERATIONS IN ACCORDANCE WITH ANNEX 1 AND ANNEX 2 (DIRECTIVE 2008/98/EC). AS UNDER 15 01 (2014/955/EC) OF THE CODE AND IN CASE THE CONTAINER HAS BEEN IN DIRECT CONTACT WITH THE PRODUCT, IT WILL BE PROCESSED THE SAME WAY AS THE ACTUAL PRODUCT. OTHERWISE, IT				

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	<p>WILL BE PROCESSED AS NON-DANGEROUS RESIDUE. WE DO NOT RECOMMENDED DISPOSAL DOWN THE DRAIN. SEE PARAGRAPH 6.2.</p> <p>REGULATIONS RELATED TO WASTE MANAGEMENT: IN ACCORDANCE WITH ANNEX II OF REGULATION (EC) N°1907/2006 (REACH) THE COMMUNITY OR STATE PROVISIONS RELATED TO WASTE MANAGEMENT ARE STATED</p> <p>COMMUNITY LEGISLATION: DIRECTIVE 2008/98/EC, 2014/955/EU, REGULATION (EU) NO 1357/2014</p>
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SECTION 14: TRANSPORT INFORMATION	
14.1 TRANSPORT INFORMATION	
UN NUMBER	ROAD: 1197 RAIL: 1197 AIR: 1197
14.2 UN SHIPPING NAME	EXTRACTS, AROMATIC, LIQUID
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID/ADN CLASS 3 IMDG CLASS 3 ICAO CLASS/DIVISION 3 
14.4 PACKING GROUP	ADR/RID/ADN 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	SPECIAL REGULATIONS ADR & RID: 601,640E SPECIAL REGULATIONS IMDG: 223, 955 EMS CODES: F-E, S-D TUNNEL RESTRICTION CODE: D/E PHYSICO-CHEMICAL PROPERTIES: SEE SECTION 9. LIMITED QUANTITIES: 5L
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 &	

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LEGISLATION	
EU DIRECTIVES	REGULATION (EC) No 2020/878 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	-

SECTION 16: OTHER INFORMATION

HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	<p>ACUTE TOX. 4: H302 - HARMFUL IF SWALLOWED ACUTE TOX. 4: H302+H332 - HARMFUL IF SWALLOWED OR IF INHALED AQUATIC ACUTE 1: H400 - VERY TOXIC TO AQUATIC LIFE AQUATIC CHRONIC 1: H410 - VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS ASP. TOX. 1: H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS EYE IRRIT. 2: H319 - CAUSES SERIOUS EYE IRRITATION FLAM. LIQ. 3: H226 - FLAMMABLE LIQUID AND VAPOUR FLAM. SOL. 2: H228 - FLAMMABLE SOLID SKIN IRRIT. 2: H315 - CAUSES SKIN IRRITATION SKIN SENS. 1: H317 - MAY CAUSE AN ALLERGIC SKIN REACTION SKIN SENS. 1B: H317 - MAY CAUSE AN ALLERGIC SKIN REACTION STOT SE 2: H371 - MAY CAUSE DAMAGE TO ORGANS (ORAL) STOT SE 3: H335 - MAY CAUSE RESPIRATORY IRRITATION</p>
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 TH APRIL 2018	DATA LAUNCH
2021	REVIEW
JANUARY 2023	REVIEW
07/04/2023	UN NUMBER CHANGED



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