



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	RAVENSARA, ESSENTIAL OIL				
BIOLOGICAL DEFINITION	RAVENSARA AROMATICA LEAF OIL IS THE VOLATILE OIL DISTILLED FROM THE LEAVES OF RAVENSARA AROMATICA, LAURACEAE.				
INCI NAME	RAVENSARA AROMATICA				
SYNONYMS & TRADE NAMES	-				
INTERNAL PRODUCT CODE	K0378				
CAS-No	91770-56-8	EC No.	294-842-8	EINECS No.	294-842-8

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.				
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1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

EMERGENCY CONTACTS	MR. THOMAS KERFOOT (07968 198244)				
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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 1 6.			
CLASSIFICATION (67/548/EEC)		THE FULL TEXT FOR ALL R-PHRASES AND HAZARD STATEMENTS ARE DISPLAYED IN SECTION 1 6.			
CLASSIFICATION (EU1 272/2008)		FLAMMABLE LIQUID, CATEGORY 3 (FLAM. LIQ. 3, H226). SKIN IRRITATION, CATEGORY 2 (SKIN IRRIT. 2, H315). EYE IRRITATION, CATEGORY 2 (EYE IRRIT. 2, H319). SKIN SENSITISATION, CATEGORY 1 (SKIN SENS. 1, H317). GERM CELL MUTAGENICITY, CATEGORY 2 (MUTA. 2, H341). CARCINOGENICITY, CATEGORY 2 (CARC. 2, H351). ASPIRATION HAZARD, CATEGORY 1 (ASP. TOX. 1, H304). HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD, CATEGORY 2 (AQUATIC CHRONIC 2, H411).			
2.2 LABEL ELEMENTS		LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.			
GHS LABEL		    GHS07GHS08GHS09GHS02			
SIGNAL WORD		DANGER.			
CONTAINS		601-029-00-7 (R)-P-MENTHA-1,8-DIENE EC 205-427-8 ESTRAGOLE EC 236-719-3 DELTA-3-CARENE EC 201-291-9 ALPHA-PINENE X EC 204-622-5 MYRCENE EC 202-223-0 EUGENYL METHYL ETHER (METHYL EUGENOL) EC 204-872-5 B-PINENE EC 201-746-1 BETA-CARYOPHYLLENE EC 202-792-5 A-PHELLANDRENE EC 202-794-6 G-TERPINENE EC 202-795-1 P-MENTHA-1,3-DIENE (SEE ALPHA-TERPINENE)			
HAZARDS STATEMENT		H226 FLAMMABLE LIQUID AND VAPOUR. 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. H341 SUSPECTED OF CAUSING GENETIC DEFECTS. H351 SUSPECTED OF CAUSING CANCER. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS			
PRECAUTIONARY STATEMENTS		P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. — NO SMOKING. P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.. P301 + P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P303 + P361 + P353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. P305 + P351 + P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.			
SUPPLEMENTARY PRECAUTIONARY STATEMENTS		NONE.			
SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.					
2.3 OTHER HAZARDS					
ADVERSE PHYSIO-CHEMICAL PROPERTIES		NO DATA			
ADVERSE EFFECTS ON HUMAN HEALTH		MAY BE HARMFUL IN CONTACT WITH SKIN.			
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..			

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SECTION 3: COMPOSITION OF INGREDIENTS

3.2 MIXTURES

10.0 - 25.0% (R)-P-MENTHA-1,8-DIENE CAS: 5989-27-5, EC: 227-813-5
CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, SKIN IRRIT. 2, H315, SKIN SENS. 1, H317, AQUATIC ACUTE 1, H400
M ACUTE = 1, AQUATIC CHRONIC 1, H410, M CHRONIC = 1

10.0 - 25.0% 4(10)-THUJENE CAS: 3387-41-5, EC: 222-212-4
CLASSIFICATION (EC 1272/2008)

2.5 - 10.0% ESTRAGOLE CAS: 140-67-0, EC: 205-427-8
CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4, H302, CARC. 2, H351, MUTA. 2, H341, SKIN SENS. 1, H317

2.5 - 10.0% DELTA-3-CARENE CAS: 13466-78-9, EC: 236-719-3
CLASSIFICATION (EC 1272/2008) ASP. TOX. 1, H304, FLAM. LIQ. 3, H226, SKIN IRRIT. 2, H315, SKIN SENS. 1, H317

2.5 - 10.0% 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. 1, H317

2.5 - 10.0% LINALOOL CAS: 78-70-6, EC: 201-134-4
CLASSIFICATION (EC 1272/2008) EYE IRRIT. 2, H319, SKIN IRRIT. 2, H315

2.5 - 10.0% MYRCENE CAS: 123-35-3, EC: 204-622-5
CLASSIFICATION (EC 1272/2008) ASP. TOX. 1, H304, EYE IRRIT. 2, H319, FLAM. LIQ. 3, H226, SKIN IRRIT. 2, H315

2.5 - 10.0% 4-TERPINENOL CAS: 562-74-3, EC: 209-235-5
CLASSIFICATION (EC 1272/2008); ACUTE TOX. 4, H302, EYE IRRIT. 2, H319, SKIN IRRIT. 2, H315

2.5 - 10.0% EUGENYL METHYL ETHER (METHYL EUGENOL) CAS: 93-15-2, EC: 202-223-0
CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4, H302, CARC. 2, H351, MUTA. 2, H341

2.5 - 10.0% B-PINENE CAS: 127-91-3, EC: 204-872-5
CLASSIFICATION (EC 1272/2008) ASP. TOX. 1, H304, FLAM. LIQ. 3, H226, SKIN IRRIT. 2, H315, SKIN SENS. 1, H317

2.5 - 10.0% EUCALYPTOL CAS: 87-44-5, EC: 201-746-1
CLASSIFICATION (EC 1272/2008) ASP. TOX. 1, H304

2.5 - 10.0% BETA-CARYOPHYLLENE CAS: 87-44-5, EC: 201-746-1
CLASSIFICATION (EC 1272/2008) ASP. TOX. 1, H304

2.5 - 10.0% A-PHELLANDRENE CAS: 99-83-2, EC: 202-792-5
CLASSIFICATION (EC 1272/2008) ASP. TOX. 1, H304, FLAM. LIQ. 3, H226

<2.5% G-TERPINENE CAS: 99-85-4, EC: 202-794-6
CLASSIFICATION (EC 1272/2008) ASP. TOX. 1, H304, FLAM. LIQ. 3, H226

<2.5% CAMPHENE CAS: 79-92-5, EC: 201-234-8
CLASSIFICATION (EC 1272/2008) EYE IRRIT. 2, H319, AQUATIC ACUTE 1, H400, M ACUTE = 1, AQUATIC CHRONIC 1, H410
M CHRONIC = 1

<2.5% P-MENTHA-1,3-DIENE (SEE ALPHA-TERPINENE) CAS: 99-86-5, EC: 202-795-1
CLASSIFICATION (EC 1272/2008) ASP. TOX. 1, H304, ACUTE TOX. 4, H302, AQUATIC CHRONIC 2, H411, FLAM. LIQ. 3, H226

SECTION 4: FIRST AID MEASURES

4.1

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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	GET MEDICAL ATTENTION IMMEDIATELY. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.
EYE CONTACT	FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.
4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	INHALATION MAY CAUSE COUGHING AND DIFFICULTIES IN BREATHING. INGESTION IRRITATING TO THE RESPIRATORY TRACT AND MAY CAUSE DAMAGE TO THE CENTRAL NERVOUS SYSTEM. SKIN CONTACT TOXIC IN CONTACT WITH SKIN. EYE CONTACT MAY CAUSE EYE IRRITATION.
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	BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES
5.3 ADVICE FOR FIRE-FIGHTERS	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.

SECTION 6: ACCIDENTAL RELEASE MEASURE	
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	HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES. - NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	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)	NO DATA.

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION						
8.1 CONTROL PARAMETERS	OCCUPATIONAL EXPOSURE LIMITS :					
	ACGIH TLV (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, THRESHOLD LIMIT VALUES, 2010) :					
	CAS	TWA :	STEL :	CEILING :	DEFINITION :	CRITERIA :
	13466-78-9	20 PPM	-	-	-	-
	80-56-8	20 PPM	-	-	-	-
	127-91-3	20 PPM	-	-	-	-

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8.2 EXPOSURE CONTROLS



EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
HAND PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
RESPIRATORY EQUIPMENT	NO DATA
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
ENGINEERING MEASURES	NONE.
SKIN PROTECTION	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.
PERSONAL PROTECTION	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.
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.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE	CLEAR
COLOUR	COLOURLESS - YELLOW
ODOUR	CHARACTERISTIC
RELATIVE DENSITY	0.870 – 0.930 @ 20°C
FLASH POINT (°C)	>50°C
REFRACTIVE INDEX @ 20 °C	1.450 – 1.490 @ 20°C
SOLUBILITY IN WATER @ 20 °C	INSOLUBLE IN WATER
9.2 OTHER INFORMATION	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	NO.
10.4 CONDITIONS TO AVOID	STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C.
10.5 INCOMPATIBLE MATERIALS	STRONG OXIDISING SUBSTANCES.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	THIS PRODUCT DOES NOT DECOMPOSE UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS THE PRODUCT WILL PRODUCE A MIXTURE OF IRRITATING FUMES & SMOKE & CARBON MONOXIDE.

SECTION 11: TOXICOLOGICAL INFORMATION

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11.1 TOXICOLOGICAL EFFECTS	
ACUTE TOXICITY	P-MENTHA-1,3-DIENE (SEE ALPHA-TERPINENE) (CAS: 99-86-5) ORAL ROUTE : LD50 = 1 680 MG/KG G-TERPINENE (CAS: 99-85-4) ORAL ROUTE : LD50 = 3850 MG/KG EUCALYPTOL (CAS: 470-82-6) ORAL ROUTE : LD50 = 2480 MG/KG EUGENYL METHYL ETHER (METHYL EUGENOL) (CAS: 93-15-2) ORAL ROUTE : LD50 = 810 MG/KG 4-TERPINENOL (CAS: 562-74-3) ORAL ROUTE : LD50 = 1 300 MG/KG DERMAL ROUTE : LD50 = 2500 MG/KG LINALOOL (CAS: 78-70-6) ORAL ROUTE : LD50 = 3000 MG/KG ALPHA-PINENE X (CAS: 80-56-8) ORAL ROUTE : LD50 = 3700 MG/KG DELTA-3-CARENE (CAS: 13466-78-9) ORAL ROUTE : LD50 = 4800 MG/KG ESTRAGOLE (CAS: 140-67-0) ORAL ROUTE : LD50 = 1 230 MG/KG
SKIN IRRITATION	MAY CAUSE IRREVERSIBLE DAMAGE TO THE SKIN; NAMELY INFLAMMATION OF THE SKIN OR THE FORMATION OF ERYTHEMA AND ESCHAR OR OEDEMA FOLLOWING EXPOSURE UP TO FOUR HOURS. MAY CAUSE AN ALLERGIC REACTION BY SKIN CONTACT.
EYE DAMAGE OR IRRITATION	CAUSES EYE DAMAGE
RESPIRATORY OR SKIN SENSITIVITY	NO DATA
GERM CELL MUTAGENICITY	CAUSE FOR CONCERN OWING TO THE POSSIBILITY THAT IT MAY INDUCE HERITABLE MUTATIONS IN THE GERM CELLS OF HUMANS.
CARCINOGENICITY	SUSPECTED HUMAN CARCINOGEN.
REPRODUCTIVE TOXICITY	NOT APPLICABLE.
STOT – SINGLE EXPOSURE	NOT APPLICABLE.
STOT – REPEATED EXPOSURE	NOT APPLICABLE.
ASPIRATION HAZARD	ASPIRATION TOXICITY INCLUDES SEVERE ACUTE EFFECTS SUCH AS CHEMICAL PNEUMONIA, VARYING DEGREES OF PULMONARY INJURY OR DEATH FOLLOWING ASPIRATION. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
OTHER INFORMATION	CAS 93-15-2 : IARC GROUP 2B : THE AGENT IS POSSIBLY CARCINOGENIC TO HUMANS. CAS 5989-27-5 : IARC GROUP 3 : THE AGENT IS NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS..
SECTION 12: ECOLOGICAL INFORMATION	
12.1 TOXICITY	TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
12.2 PERSISTENCE & DEGRADABILITY	NO DATA
12.3 BIO- ACCUMULATIVE POTENTIAL	NO DATA
12.4 MOBILITY IN SOIL	NO DATA.
12.5 RESULTS OF PBT & VPVB ASSESSMENT	NO DATA.

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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	ALWAYS RECOVER SPILLED PRODUCT. DISCARD WASTE MATERIAL WITH AUTHORIZED WASTE MANAGEMENT SERVICES. ACT IN ACCORDANCE WITH LOCAL & NATIONAL WASTE REGULATIONS.

SECTION 14: TRANSPORT INFORMATION	
14.1 TRANSPORT INFORMATION	
UN NUMBER	ROAD: 1169 RAIL: 1169 AIR: 1169
14.2 UN SHIPPING NAME	<i>Extracts, aromatic, liquid.</i>
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. 

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14.6 SPECIAL PRECAUTIONS FOR USER

15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION

EU DIRECTIVES

HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL

H226 FLAMMABLE LIQUID AND VAPOUR.
H228 FLAMMABLE SOLID.
H302 HARMFUL IF SWALLOWED.
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.
H341 SUSPECTED OF CAUSING GENETIC DEFECTS.

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	H351 SUSPECTED OF CAUSING CANCER. H400 VERY TOXIC TO AQUATIC LIFE. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
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.

DOCUMENTATION REVISION

DATE	CHANGE DESCRIPTION
10 TH APRIL 2018	DATA LAUNCH

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