



Material Safety Data Sheet

EU Regulation: 1907/2006

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

1.1 PRODUCT IDENTIFICATION

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|------------------------|--|--------|-----------|------------|-----------|
| PRODUCT NAME | PEPPERMINT (MENTHA ARVENSIS), ESSENTIAL OIL (AKA: CORNMINT OIL) | | | | |
| BIOLOGICAL DEFINITION | MENTHA ARVENSIS HERB OIL IS AN ESSENTIAL OIL OBTAINED FROM THE HERBS OF THE CORN MINT, MENTHA ARVENSIS L., LABIATAE. | | | | |
| INCI NAME | MENTHA ARVENSIS LEAF | | | | |
| SYNONYMS & TRADE NAMES | CORNMINT OIL, PEPPERMINT OIL | | | | |
| INTERNAL PRODUCT CODE | K0345 | | | | |
| CAS-No | 90063-97-1 / 68917-18-0 | EC No. | 290-058-5 | EINECS No. | 290-058-5 |

1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

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| COMPANY ADDRESS | O&3 Unit 2, Athelstan Business Park, Hanwell Lane, Hutton Conyers, Ripon, HG4 5BF, England. | | | | |
| EMAIL | THOMASKERFOOT@OAND3.COM | | | | |



1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

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| EMERGENCY CONTACTS | MRS. ELEANOR WADE (07968 200167) | | | | |
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SECTION 2: HAZARDS IDENTIFICATION

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| 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 HAZARDS: NOT CLASSIFIED. HUMAN HEALTH: ASP. TOX. 1 H304; SKIN IRRIT. 2 - H315; SKIN SENS. 1 - H317; EYE IRRIT. 2 H319 ENVIRONMENT : AQUATIC CHRONIC 2 - H411 |
| 2.2 LABEL ELEMENTS | LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008. |
| GHS LABEL |   <p>GHS07 GHS09</p> |
| SIGNAL WORD | DANGER. |
| CONTAINS | LIMONENE, ALPHA PINENE, BETA PINENE. |
| 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. H411: TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. |
| PRECAUTIONARY STATEMENTS | P301+P310: IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER/DOCTOR. P331: DO NOT INDUCE VOMITING. P501: DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION. P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P333+P313: IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P362+P364: TAKE OFF CONTAMINATED CLOTHING. AND WASH IT BEFORE REUSE. P302+P352: IF ON SKIN: WASH WITH PLENTY OF WATER. P280: WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P337+P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION. P273: AVOID RELEASE TO THE ENVIRONMENT. P391: COLLECT SPILLAGE. |
| SUPPLEMENTARY PRECAUTIONARY STATEMENTS | P264: WASH HANDS AND EXPOSED SKIN THOROUGHLY AFTER HANDLING. P332+P313: IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION |
| 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 | NO DATA. |

SECTION 3: COMPOSITION OF INGREDIENTS

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| 3.2 SUBSTANCE | 25.0 – 35.0% L-MENTHOL CAS No.: 2216-51-5 EC No: 218-690-9 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 – H319 20.0 – 30.0% TRANS-MENTHONE CAS No: 89-80-5 EC No: 201-941-1 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 – H226, AQUATIC CHRONIC 3 – H412 |
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| | <p>5.0 – 10.0% DL-ISOMENTHONE CAS No: 491-07-6 EC No: 207-727-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317</p> <p>2.0 – 5.0% NEO MENTHOL CAS No: 2216-52-6 EC No: 218-691-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315</p> <p>< 14.0% LIMONENE CAS No: 138-86-3 EC No: 205-301-0 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</p> <p>< 2.0% ALPHA PINENE CAS No: 80-56-8 EC No: 201-291-9 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304</p> <p>< 2.5% BETA PINENE CAS No: 127-91-3 EC No: 204-872-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304</p> <p>1.0 – 5.0% METHYL ACETATE CAS No: 89-48-5 EC No: 201-911-8 CLASSIFICATION (EC 1272/2008) AQUATIC CHRONIC 2 - H411</p> <p>< 2.0% ISOPULEGOL CAS No: 89-79-2 EC No: 201-940-6 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302, SKIN IRRIT. 2 - H315, EYE IRRIT. 2 – H319</p> <p>< 1.5% OCTAN-3-OL CAS No: 589-98-0 EC No: 209-667-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 – H319</p> <p>< 1.0% 1,8- CINEOLE CAS No: 470-82-6 EC No: 207-431-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 – H226, SKIN SENS. 1 - H317</p> |
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SECTION 4: FIRST AID MEASURES

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| 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 | 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 | INHALATION MAY CAUSE COUGHING AND DIFFICULTIES IN BREATHING. |
| MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED) | 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

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| 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. |

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SECTION 6: ACCIDENTAL RELEASE MEASURES

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| 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

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| 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

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| 8.1 CONTROL PARAMETERS | INGREDIENT COMMENTS | NO EXPOSURE LIMITS NOTED FOR INGREDIENT(S). |
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8.2 EXPOSURE CONTROLS



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| 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. |
| ENVIRONMENTAL EXPOSURE CONTROLS | AVOID DISCHARGING INTO DRAINAGE WATER. |

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

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| 9.1 PHYSICAL & CHEMICAL PROPERTIES | |
| APPEARANCE | LIQUID |
| COLOUR | COLOURLESS – YELLOW |
| ODOUR | CHARACTERISTIC, MINTY FRESH |
| RELATIVE DENSITY | APPROX. 0.887 @ 20°C |
| FLASH POINT (°C) | 62°C |
| REFRACTIVE INDEX @ 20 °C | APPROX. 1.460 @ 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. |

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| SECTION 11: TOXICOLOGICAL INFORMATION | |
| 11.1 TOXICOLOGICAL EFFECTS | |
| ACUTE TOXICITY | NO DATA |
| SKIN IRRITATION | CAUSES SKIN IRRITATION |
| EYE DAMAGE OR IRRITATION | CAUSES EYE IRRITATION |
| RESPIRATORY OR SKIN SENSITIVITY | MAY CAUSE ALLERGIC REACTION |
| GERM CELL MUTAGENICITY | NO DATA |
| CARCINOGENICITY | NO DATA |
| REPRODUCTIVE TOXICITY | NOT APPLICABLE. |
| STOT – SINGLE EXPOSURE | NOT APPLICABLE. |
| STOT – REPEATED EXPOSURE | NOT APPLICABLE. |
| ASPIRATION HAZARD | NO DATA |
| OTHER INFORMATION | NO DATA. |
| SECTION 12: ECOLOGICAL INFORMATION | |
| 12.1 TOXICITY | TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. |
| 12.2 PERSISTENCE & DEGRADABILITY | |

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| | 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. |
| 12.6 OTHER ADVERSE EFFECTS | DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS. |

SECTION 13: DISPOSAL INFORMATION

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| 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. |
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SECTION 14: TRANSPORT INFORMATION

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| 14.1 TRANSPORT INFORMATION | |
| | UN NUMBER ROAD: 3082 RAIL: 3082 AIR: 3082 |
| 14.2 UN SHIPPING NAME | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. |
| 14.3 TRANSPORT HAZARD CLASS(ES) | ADR/RID/ADN CLASS 9 IMDG CLASS 9 ICAO CLASS/DIVISION 9  |
| 14.4 PACKING GROUP | ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III |
| 14.5 ENVIRONMENTAL HAZARDS | ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT.  |
| 14.6 SPECIAL PRECAUTIONS FOR USER | |

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| | NONE. |
| 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE. | EMS: F-A,S-F |

SECTION 15: REGULATORY INFORMATION

15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION

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| 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 | - |

SECTION 16: OTHER INFORMATION

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| 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 H319 CAUSES SERIOUS EYE IRRITATION. H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H313 MAY BE HARMFUL IN CONTACT WITH SKIN. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. 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. |

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THE OIL FAMILY

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| 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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