Material Safety Data Sheet

EU Regulation: 1907/2006

| SECTION 1: IDENTIFICATION OI | THE SUBSTANCE | /MIXTURE / | AND OF THE COMPANY/ | UNDERTAKING | ; |
|---|---|--|---------------------|-------------|--|
| 1.1 PRODUCT IDENTIFICATION | | | | | |
| Product Name | Cedarwood, Essen | CEDARWOOD, ESSENTIAL OIL | | | |
| BIOLOGICAL DEFINITION | | Cupressus Funebris Wood Oil is an essential oil obtained from the twigs of the Cypress, Cupressus funebris, Cupressaceae. Syn. Chinese Cedarwood Oil. | | | CYPRESS, CUPRESSUS FUNEBRIS, CUPRESSACEAE. |
| INCI NAME | CUPRESSUS FUNEBRIS WOOD OIL | | | | |
| Synonyms & Trade Names | CEDARWOOD OIL CHINESE | | | | |
| INTERNAL PRODUCT CODE | К0113 | | | | |
| CAS-No | 85085-29-6 | 85085-29-6 EC No. 285-360-9 EINECS No. 285-360-9 | | | |
| | | | | | |
| 1.2 Details of the supplier of the safety data sheet | | | | | |
| COMPANY ADDRESS | YouWish Venserweg 21M, 1112 AR Diemen, The Netherlands | | | | |
| EMAIL | info@youwish.nl | | | | |
| 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET | | | | | |
| EMERGENCY CONTACTS | +31 6 83295085 | | | | |

| 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) | Physical hazards: Not classified Health hazards: Skin Sens. 1B H317, Asp Tox. 1 H304 Environmental hazards: Aquatic Chronic 2 - H411 | | |
| 2.2 ABEL ELEMENTS | LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008. | | |
| GHS LABEL | GHS07 GHS08 GHS09 | | |
| Signal Word | Danger. | | |
| Contains | EC 207-418-4 ALPHA-CEDRENE CAS 495-61-4 L-BETA-BISABOLENE | | |
| HAZARDS STATEMENT | H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. | | |
| Precautionary Statements | 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. P331 DO NOT INDUCE VOMITING. P333 + P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P501 DISPOSE OF CONTENTS/CONTAINER TO WASTE DISPOSAL FACILITY LICENSED | | |
| SUPPLEMENTARY PRECAUTIONARY STATEMENTS | P264: Wash hands thoroughly after handling. | | |
| 5 | 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 | DOES NOT FULFIL THE PBT OR VPVP CRITERIA IN ACCORDANCE WITH ANNEXE XIII OF THE REACH REGULATIONS EC 1907/2006. | | |
| SECTION 3: COMPOSITION OF INGREDIEN | ITC | | |
| | | | |
| 3.1 | NOT APPLICABLE. | | |
| SUBSTANCES | | | |
| | 10 - 25% ALPHA-CEDRENE CAS No: 469-61-4 EC No: 207-418-4 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410 10 - 25% CEDROL CAS No: 77-53-2 EC No: 201-035-6 CLASSIFICATION (EC 1272/2008) AQUATIC CHRONIC 2 - H411 | | |
| 3.2 Mixtures | 2.5-10% beta-Cedrene CAS No: 546-28-1 EC No: 208-898-8 Classification (EC 1272/2008) Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 -H410 | | |
| | ≤ 2.5% L-BETA-BISABOLENE CAS NO: 495-61-4 EC NO: - Classification (EC 1272/2008) ASP. Tox. 1, H304, Skin Irrit. 2, H315, Skin Sens. 1B, H317 | | |

| 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. IMMEDIATELY CALLY THE POISON CENTRE OR DOCTOR. 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. GET MEDICAL ADVICE/ATTENTION. |
| 4.2 Most important symptoms & effects (Acute & Delayed) | NO DATA. |
| 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED | TREAT SYMPTOMATICALLY. |

| SECTION 5: FIRE FIGHTING MEASURES | | |
|---|---|--|
| 5.1 Extinguishing material | FOAM, CO2, DRY CHEMICAL POWDER. | |
| 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE | A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO HEALTH. DO NOT BREATHE IN SMOKE. THERMAL DECOMPOSITION OR COMBUSTION PRODUCTS MAY INCLUDE THE FOLLOWING SUBSTANCES: CARBON DIOXIDE (CO2), CARBON MONOXIDE (CO), OTHER TOXIC GASES. CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER. | |
| 5.3 Advice for fire-fighters | AVOID INHALATION OF GENERATED FUMES OR VAPOURS. WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PROTECTIVE CLOTHING. | |

| SECTION 6: ACCIDENTAL RELEASE MEASURES | | |
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| 6.1 Personal precautions | Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours. Maintain adequate ventilation in the working area after spilling. | |
| 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 | ABSORB WITH LIQUID BINDING MATERIAL E.G. SAND, DIATOMACEOUS EARTH, VERMICULITE. COLLECT IN CLOSED AND SUITABLE CONTAINERS FOR DISPOSAL IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION. PREVENT ANY MATERIAL FROM ENTERING DRAINS OR WATERWAYS. WASH SPILL SITE AFTER REMOVAL WITH A DETERGENT. | |
| 6.4 REFERENCES TO OTHER SECTIONS | REFER & CONSIDER SECTIONS 7, 8 & 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 | |

| ONTROL PARAMETERS NO ADDITIONAL DATA AVAILABLE. 2. XPOSUBE CONTROLS 2. Image: Controls Image: Controls Image: Controls Image: Controls <th></th> <th></th> | | | |
|--|--------------------------------|---|--|
| 12 XPOSURE CONTROLS Image: Controls </th <th>8.1 CONTROL PARAMETERS</th> <th colspan="2">NO ADDITIONAL DATA AVAILABLE.</th> | 8.1 CONTROL PARAMETERS | NO ADDITIONAL DATA AVAILABLE. | |
| EYE PROTECTION WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. HAND PROTECTION WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. MAND PROTECTION WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. KESPIRATORY 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 PROTOCTIONS OF HIGH INCREASE EXPOSURE, THE FOLLOWING ENGINEERING CONTROLS CAN BU BE ON BROSINE TO PERSONNEL: A) INCREASE VENTILATION OF THE AREA WITH LOCAL EXHAUST VENTILATION. B) PERSONAL ON USE AND PROVED, APPROPRIATELY FITTED RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGE OR CANISTERS AND PRACOVED, APPROPRIATELY FITTED RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGE OR CANISTERS AND PARCICLOSE AD SYSTEMS FOR TRANSFERRING AND PROCESSING THIS MATERIAL ALSO REFER TO SECTIONS 2 AND 7. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OLIS. DO NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND PROVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. PROVIDE ADEQUATE VENTILATION. PROVIDE ADEQUATE VENTILATION. PROVIDE ADEQUATE VEN | 8.2 | 1 | |
| HAND PROTECTION WEAR PROTECTIVE GLOVES/ETE PROTECTION/FACE PROTECTION. HAND PROTECTION WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. DO NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. PROVIDE ADEQUATE VENTILATION. WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYES. ONTO INHALE VAPOURS. OTHER PROTECTION OAVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS. WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS. | | | |
| WEAR NOTE: THE USE ON USES (ETERNOTE: CONTENTION). WEAR NOTE: THE USE ON USES AND WHERE ADEQUATE VENTILATION. WIDEN 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 THIGH 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 HITTED 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. DO NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. PROVIDE ADEQUATE VENTILATION. WEAR PROTECTION WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYES. OTHER 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. | EYE PROTECTION | WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. | |
| Respiratory Equipment 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. DO NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. VENDID EADEQUATE VENTILATION. WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT. WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYES. OTHER PROTECTION AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS. | HAND PROTECTION | WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. | |
| RESPIRATORY EQUIPMENT 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. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. DO NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. PROVIDE ADEQUATE VENTILATION. VEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT. OTHER PROTECTION VEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYES. OTHER PROTECTION VEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. | | UNDER NORMAL CONDITIONS OF USE AND WHERE ADEQUATE VENTILATION IS AVAILABLE TO PREVENT BUILD UP OF EXCESSIVE | |
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| OR CANISTERS AND PARTICULATE FILTERS. C) USE CLOSED SYSTEMS FOR TRANSFERRING AND PROCESSING THIS MATERIAL. ALSO REFER TO SECTIONS 2 AND 7. GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. DO NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. FINISTEERING MEASURES PROVIDE ADEQUATE VENTILATION. SKIN PROTECTION WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT. PRESONAL 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. | RESPIRATORY EQUIPMENT | CONTROLS CAN BE USED TO MINIMISE EXPOSURE TO PERSONNEL: A) INCREASE VENTILATION OF THE AREA WITH LOCAL EXHAUST | |
| REFER TO SECTIONS 2 AND 7. HYGIENE MEASURES GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. DO NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. ENGINEERING MEASURES PROVIDE ADEQUATE VENTILATION. 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. | | VENTILATION. B) PERSONNEL CAN USE AN APPROVED, APPROPRIATELY FITTED RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGE | |
| Hygiene Measures Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Do NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. Engineering Measures Provide adequate ventilation. Kin Protection Wear protective clothing to reduce the risk of skin and eye contact. Pressonal 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. | | OR CANISTERS AND PARTICULATE FILTERS. C) USE CLOSED SYSTEMS FOR TRANSFERRING AND PROCESSING THIS MATERIAL. ALSO | |
| Hygiene measures NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. Engineering Measures PROVIDE ADEQUATE VENTILATION. 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. | | REFER TO SECTIONS 2 AND 7. | |
| In ot Eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Engineering Measures Provide adequate ventilation. 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. | HYGIENE MEASURES | GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. DO | |
| 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. | | NOT EAT, DRINK OR SMOKE DURING USE. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USING. | |
| 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. | ENGINEERING MEASURES | PROVIDE ADEQUATE VENTILATION. | |
| OTHER PROTECTION WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS. | 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. | |
| ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH. | PROCESS CONDITIONS | Ensure area is well ventilated. Avoid vapour inhalation. Safety shower & Eye bath. | |
| ENVIROMENTAL EXPOSURE CONTROLS AVOID DISCHARGING INTO DRAINAGE WATER. ONLY ELIMINATE BY AUTHORISED COMPANIES. | ENVIROMENTAL EXPOSURE CONTROLS | AVOID DISCHARGING INTO DRAINAGE WATER. ONLY ELIMINATE BY AUTHORISED COMPANIES. | |

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

| 9.1 Physical & Chemical Properties | | |
|--|---|--|
| Appearance | Liquid | |
| COLOUR | COLOURLESS - PALE YELLOW | |
| Odour | CHARACTERISTIC | |
| RELATIVE DENSITY @ 20°C | Approx. 0.945 @ 20°C | |
| FLASH POINT (°C) | 106°C. | |
| Refractive Index @ 20 °C | Approx. 1.505 @ 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 hazards. Stable under normal temperature conditions and recommended use. | |
| 10.2 Chemical stability | Stable under suggested storage conditions (<15 $^{\circ}$ C). | |
| 10.3 Possibility of hazardous reactions | NOT EXPECTED UNDER NORMAL CONDITIONS OF USE. | |
| 10.4 Conditions to avoid | Storage at high temperatures. Do not store above 1.5°C. | |

| 10.5 INCOMPATIBLE MATERIALS | AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS. |
|--|--|
| 10.6 Hazardous decomposition products | NOT EXPECTED UNDER NORMAL TEMPERATURE CONDITIONS AND RECOMMENDED USE. THERMAL DECOMPOSITION MAY RELEASE/FORM OXIDES OF CARBON (CARBON MONOXIDE, CARBON DIOXIDE) AND OTHER TOXIC GASES. |

| SECTION 11: TOXICOLOGICAL INFORMATION | |
|---------------------------------------|---|
| 11.1 Toxicological effects | |
| | Oral Route : No observed effect. Species : Rat LD50 <= 5000 mg/kg OECD Guideline 401 (Acute Oral Toxicity) |
| Skin irritation | MAY CAUSE AN ALLERGIC SKIN REACTION. |
| EYE DAMAGE OR IRRITATION | NOT CLASSIFIED. |
| | SKIN - MAY CAUSE AN ALLERGIC SKIN REACTION. |
| Respiratory or skin sensitivity | LOCAL LYMPH NODE STIMULATION TEST : NON-SENSITISER. |
| RESPIRATORY OR SKIN SENSITIVIT | Species : Mouse |
| | REACH METHOD B.42 (SKIN SENSITISATION: LOCAL LYMPH NODE ASSAY) |
| | REACH Method B.13/14 (Mutagenicity - Reverse Mutation Test Using Bacteria) |
| | Ames test (in vitro) : Negative. |
| GERM CELL MUTAGENICITY | WITH OR WITHOUT METABOLIC ACTIVATION. |
| | SPECIES : S. TYPHIMURIUM TA100 |
| | OCDE 471 (REVERSE MUTATION TEST BACTERIA). |
| | NO MUTAGENIC EFFECT. |
| CARCINOGENICITY | NOT CLASSIFIED. |
| REPRODUCTIVE TOXICITY | NOT CLASSIFIED. |
| STOT – SINGLE EXPOSURE | NOT CLASSIFIED. |
| STOT – REPEATED EXPOSURE | NOT CLASSIFIED. |
| | MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS (H304). ASPIRATION TOXICITY INCLUDES SEVERE |
| ASPIRATION HAZARD | ACUTE EFFECTS SUCH AS CHEMICAL PNEUMONIA, VARYING DEGREES OF PULMONARY INJURY OR DEATH |
| | FOLLOWING ASPIRATION. |
| Other Information | NO DATA. |
| | |

| SECTION 12: ECOLOGICAL INFORMATION | N |
|------------------------------------|---|
| 12.1 Тохісіту | TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. DO NOT ALLOW TO RUN INTO DRAINS OR WATERWAYS.CRUSTACEAN TOXICITY : TOXIC. EC50 = 2.9 mG/LSPECIES : DAPHNIA MAGNADURATION OF EXPOSURE : 48 HREACH METHOD C.20 (DAPHNIA MAGNA REPRODUCTION TEST)ALGAE TOXICITY : TOXIC. ECR50 = 8.1 mG/LSPECIES : PSEUDOKIRCHNERELLA SUBCAPITATADURATION OF EXPOSURE : 72 HREACH METHOD C.3 (ALGAL INHIBITION TEST) |

| 12.2 Persistence & degradability | NO ADDITIONAL DATA AVAILABLE |
|--|---|
| 12.3 BIO- ACCUMULATIVE POTENTIAL | NO ADDITIONAL DATA AVAILABLE |
| 12.4 Mobility in soil | NO ADDITIONAL DATA AVAILABLE |
| 12.5 Results of PBT & VPVB assessment | NO ADDITIONAL DATA AVAILABLE |
| 12.6 Other adverse effects | Do not allow product to enter streams, sewers or other waterways. |
| | |

| SECTION 13: DISPOSAL INFORMATION | | |
|----------------------------------|--|--|
| | DO NOT ALLOW ENTRY INTO DRAINS OR WATERWAYS. | |
| 13.1 Waste treatment methods | WASTE: WASTE MANAGEMENT IS CARRIED OUT WITHOUT ENDANGERING HUMAN HEALTH, WITHOUT HARMING THE ENVIRONMENT AND, IN PARTICULAR WITHOUT RISK TO WATER, AIR, SOIL, PLANTS OR ANIMALS. RECYCLE OR DISPOSE OF WASTE IN COMPLIANCE WITH CURRENT LEGISLATION, PREFERABLY VIA A CERTIFIED COLLECTOR OR COMPANY. DO NOT CONTAMINATE THE GROUND OR WATER WITH WASTE. DO NOT DISPOSE OF WASTE INTO THE ENVIRONMENT. | |
| | SOILED PACKAGING: | |
| | EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER. DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR. | |

| SECTION 14: TRANSPORT INFORMATION | | |
|------------------------------------|--|--|
| SECTION 14: TRANSPORT INFORMATION | | |
| 14.1 Transport Information | | |
| | ROAD: UN 3082 | |
| UN NUMBER | SEA: UN 3082 | |
| | AIR: UN 3082 | |
| 14.2 UN Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S. | |
| 14.3 Transport hazard class(es) | ADR/RID ADR/RID-CLASS 9 ADR CLASSIFICATION CODE – M6 SPECIAL PROVISIONS – 274 335 375 601 LIMITED QUANTITIES – 5L EXPECTED QUANTITIES – E1 EMERGENCY ACTION CODE – •3Z IMDG IMDG – CLASS 9 SPECIAL PROVISIONS – 274 335 375 601 LIMITED QUANTITIES – 5L EXPECTED QUANTITIES – 5L EXPECTED QUANTITIES – E1 IMDG EMS – F-A, S-F STOWAGE AND HANDLING – CATEGORY A ICAO/IATA ICAO/IATA – CLASS 9 IATA PROPER SHIPPING NAME - ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S. EXPECTED QUANTITIES – E1 | |

| | TRANSPORT LABELS: MISCELLANEOUS DAGGROUS 9 | | |
|---|--|--|--|
| 14.4 Packing Group | ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III | | |
| 14.5 Enviromental Hazards | ENVIRONMENTALLY HAZARDOUS / MARINE POLLUTANT. | | |
| 14.6 | SEE SECTIONS 6 - 8. | | |
| SPECIAL PRECAUTIONS FOR USER 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 | ASSESSMENT HAS NOT BEEN CARRIED OUT AS THIS IS A NON-HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006. | | |

| SECTION 16: OTHER INFORMATION | | | |
|---|--|--|--|
| Hazard and/ or Precautionary Statements in full | H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. 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 merchandises 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 [™] April 2018 | Data Launch |
| 2021 | Review |
| | |