# MATERIAL SAFETY DATA SHEET
## According to EU Regulation 1907/2006

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING)**

| **1.1 PRODUCT IDENTIFIER** | |
|---|---|
| **Product Name** | Rosemary 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 |
| **INCI Name** | Rosmarinus Officinalis (Rosemary) Leaf Oil |
| **Synonyms & Trade Names** | - |
| **Internal Product Code** | R00358 |
| **CAS Number** | 84604-14-8 / 8000-25-7 |
| **EC Number** | 283-291-9 |
| **EINECS Number** | 283-291-9 |
| **REACH Status** | Registered |
| **1.2 DETAILS OF THE SUPPLIER OF THE MATERIAL SAFETY DATA SHEET** | |
| **Company** | Kerfoot Avril Group<br>The Olive House<br>Standard Way Industrial Estate,<br>Darlington Road,<br>Northallerton,<br>North Yorkshire,<br>England DL6 2XA |
| **Emergency Telephone Number** | 01609 766790 |

## SECTION 2: HAZARD IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCES OR MIXTURE

The Full Text for all Hazard Statements are Displayed in Section 16.

| | |
|---|---|
| **Classification (EU 1272/2008)** | Flammable liquid, Category 3 (Flam. Liq. 3, H226).<br>Skin irritation, Category 2 (Skin Irrit. 2, H315).<br>Skin sensitisation, Category 1B (Skin Sens. 1B, H317).<br>Specific target organ toxicity (single exposure), Category 2 (STOT SE 2, H371).<br>Aspiration hazard, Category 1 (Asp. Tox. 1, H304).<br>Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).<br>Hazardous to the aquatic environment - Chronic hazard, Category 1 (Aquatic Chronic 1, H410). |

### 2.2 LABEL ELEMENTS

Label in accordance with Regulation (EC) No 1272/2008

| | |
|---|---|
| **GHS Label:** |  <br>GHS08 GHS09 GHS07 GHS02 |
| **Signal word:** | Danger |
| **Contains** | EC 207-431-5 EUCALYPTOL<br>EC 201-291-9 ALPHA-PINENE<br>EC 200-945-0 CAMPHOR<br>EC 204-872-5 B-PINENE<br>EC 227-815-6 L-LIMONENE<br>EC 205-341-0 DL-LIMONENE (RACEMIC)<br>EC 201-746-1 BETA-CARYOPHYLLENE<br>EC 202-794-6 G-TERPINENE<br>EC 202-796-7 PARA-CYMENE<br>EC 227-813-5 D-LIMONENE<br>EC 236-719-3 DELTA-3-CARENE<br>EC 209-578-0 TERPINOLENE |
| **Hazard Statements:** | H226 Flammable liquid and vapour.<br>H304 May be fatal if swallowed and enters airways.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H371 May cause damage to organs (if inhaled, if swallowed, in contact with skin).<br>H410 Very toxic to aquatic life with long lasting effects. |
| **Precautionary Statements:** | Precautionary statements - Prevention :<br>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P280 Wear protective gloves/protective clothing/eye protection/face protection.<br>Precautionary statements - Response :<br>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...<br>P331 Do NOT induce vomiting.<br>P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.<br>Precautionary statements - Disposal :<br>P501 Dispose of contents/container in accordance with local/regional/national/international regulations |
| **Supplementary Precautionary Statements:** | None |

### 2.3 OTHER HAZARDS

| | |
|---|---|
| **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. |
| **Adverse physio-chemical properties** | The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table. |
| **Adverse effects on human health** | No additional data available. |

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 MIXTURE

**25 - 50% 1,8-CINEOLE** CAS: 470-82-6 EC: 207-431-5
Classification (EC 1272/2008) GHS02, GHS07 Wng Flam. Liq. 3, H226, Skin Sens. 1B, H317

**10 - 25% Alpha-Pinene CAS: 80-56-8 EC: 201-291-9**

**Classification (EC 1272/2008)** GHS08, GHS02, GHS07, GHS09 Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315 Skin Sens. 1B, H317, Aquatic Acute 1, H400, M Acute = 1
Aquatic Chronic 1, H410, M Chronic = 1

**9 - 15% CAMPHOR** CAS: 76-22-2 EC: 200-945-0
Classification (EC 1272/2008) GHS08, GHS02, GHS07 Wng Acute Tox. 4, H332, Acute Tox. 4, H302, Flam. Sol. 2, H228 STOT SE 2, H371

**2.5 - 10% Beta Pinene** CAS: 127-91-3 EC: 204-872-5
Classification (EC 1272/2008) GHS08, GHS02, GHS07, GHS09 Dgr Flam. Liq. 3, H226, Asp. Tox. 1, H304, Skin Irrit. 2, H315 Skin Sens. 1B, H317, Aquatic Acute 1, H400, M Acute = 1Aquatic Chronic 1, H410, M Chronic = 1

**2.5 - 5% CAMPHENE** CAS: 79-92-5 EC: 201-234-8
Classification (EC 1272/2008) GHS02, GHS07, GHS09 Wng Eye Irrit. 2, H319, Flam. Sol. 2, H228, Aquatic Acute 1, H400 M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1

**2.5 - 10% Limonene** CAS: 5989-27-5, EC: 227-813-5
Classification (EC 1272/2008) GHS08, GHS02, GHS07, GHS09 Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315 Skin Sens. 1B, H317, Aquatic Acute 1, H400, M Acute = 1 Aquatic Chronic 1, H410, M Chronic = 1

**<3.0% BETA-CARYOPHYLLENE** CAS: 87-44-5 EC: 201-746-1
Classification (EC 1272/2008) GHS08 Danger, Asp. Tox. 1, H304

**<2.5% G-TERPINENE** CAS: 99-85-4 EC: 202-794-6
Classification (EC 1272/2008) GHS08, GHS02, Danger, Flam. Liq. 3, H226, Asp. Tox. 1, H304

**<2.5% PARA-CYMENE** CAS: 99-87-6 EC: 202-796-7
Classification (EC 1272/2008) HS08, GHS02, GHS09 Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226, Aquatic Chronic 2, H411

**<2.5% ALPHA-TERPINEOL** CAS: 98-55-5, EC: 202-680-6
Classification (EC 1272/2008) GHS07 Wng Eye Irrit. 2, H319, Skin Irrit. 2, H315

**<2.5% Delta 3 Carene** CAS: 13466-78-9 EC: 236-719-3
Classification (EC 1272/2008) GHS08, GHS02, GHS07 Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315 Skin Sens. 1B, H317

**<2.5% Terpinolene** CAS: 586-62-9 EC: 209-578-0
Classification (EC 1272/2008) GHS08, GHS07, GHS09 Dgr Asp. Tox. 1, H304, Skin Sens. 1B, H317, Aquatic Acute 1, H400 M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

| | |
|---|---|
| **Inhalation** | Remove victim immediately from source of exposure. Get medical attention if any discomfort continues. If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary. |
| **Ingestion** | Do not give the patient anything orally.<br>In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label.<br>If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor. |
| **Skin Contact** | Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.<br>Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention.<br>If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital. |
| **Eye Contact** | Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse. |

### 4.2 MOST IMPORTANT SYMPTOMS. BOTH ACCUTE AND DELAYED.

No additional data available.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT IF NEEDED

No additional data available.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 EXTINGUISING MEDIA

Flammable.

Suitable methods of extinction: Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires. Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction In the event of a fire, do not use: water.

### 5.2 SPECIAL HAZARDS ARISING FROM THE PRODUCT

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide ($CO_2$)

### 5.3 ADVICE FOR FIRE FIGHTERS

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Consult the safety measures listed under headings 7 and 8.

For non first aid worker
Avoid any contact with the skin and eyes. Avoid inhaling the vapours. If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For first aid worker
First aid workers will be equipped with suitable personal protective equipment (See section 8).

### 6.2 ENVIRONMENTAL PRECAUTIONS

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.
If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures
Use drums to dispose of collected waste in compliance with current regulations (see section 13).

### 6.3 METHODS AND MATERIAL FOR CONTAMINATED AND CLEANING UP

Clean preferably with a detergent, do not use solvents.

### 6.4 REFERENCES TO OTHER SECTIONS

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Remove contaminated clothing and protective equipment before entering eating areas.

Fire prevention:
Handle in well-ventilated areas.
Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits.
Never inhale this material.
Prevent the accumulation of electrostatic charges with connections to earth.
The mixture can become electrostatically charged: always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive.
Use the material in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.
Keep packages tightly closed and away from sources of heat, sparks and naked flames.
Do not use tools which may produce sparks. Do not smoke.
Prevent access by unauthorised personnel.
Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Avoid inhaling vapours. Carry out any industrial operation which may give rise to this in a sealed apparatus.
Provide vapour extraction at the emission source and also general ventilation of the premises.
Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.
In all cases, recover emissions at source.
Avoid exposure - obtain special instructions before use.
Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.
Never open the packages under pressure.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage
Keep the container tightly closed in a dry, well-ventilated place.
Keep away from food and drink, including those for animals.
Keep away from all sources of ignition - do not smoke.
Keep well away from all sources of ignition, heat and direct sunlight.
Avoid accumulation of electrostatic charges.

Packaging
Always keep in packaging made of an identical material to the original.

### 7.3 SPECIFIC END USE(S)

No additional data available.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 CONTROL PERAMETERS

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|---|---|---|---|---|---|
| 80-56-8 | 20ppm | - | - | SEN: A4 | - |
| 76-22-2 | 2ppm | 3 ppm | - | A4 | - |
| 127-91-3 | 20ppm | - | - | SEN: A4 | - |
| 13466-78-9 | 20ppm | - | - | SEN: A4 | - |

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

| CAS | VME : | VME : | Excess | Notes |
|---|---|---|---|---|
| 5989-27-5 | - | 5 ppm<br>28 mg/m3 | - | - |

- France (INRS - ED984 :2012) :

| CAS | VME-ppm : | VME-mg/m3 : | VLE-ppm : | VLE-mg/m3 : | Notes : | TMP No : |
|---|---|---|---|---|---|---|
| 76-22-2 | 2 | 12 | - | - | - | - |

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|---|---|---|---|---|---|
| 76-22-2 | 2 ppm<br>13 mg/m3 | 3 ppm<br>19 mg/m3 | - | - | - |

| 8.2 EXPOSURE CONTROLS | |
|---|---|
| **Protective equipment** |  |
| **Process Conditions** | Provide eyewash station. |
| **Engineering Measures** | Provide adequate ventilation. |
| **Respiratory Equipment** | Avoid inhaling vapours. Carry out any industrial task giving rise to this risk in a closed circuit. Provide extractor fans to capture the vapours at the emission source as well as general ventilation of the premises.<br>If the ventilation is insufficient, wear appropriate breathing apparatus.<br>When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.<br>Likewise provide safety breathing apparatus for certain short tasks of an exceptional nature or for emergency interventions. Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387: - A3 (Brown) |
| **Hand Protection** | Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.<br>Gloves must be selected according to the application and duration of use at the workstation.<br>Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.<br>Recommended properties :<br>- Impervious gloves in accordance with standard EN374 |
| **Eye Protection** | Avoid contact with eyes.<br>Use eye protectors designed to protect against liquid splashes.<br>Before handling, wear safety goggles in accordance with standard EN166. |
| **Other Protection** | Use personal protective equipment that is clean and has been properly maintained.<br>Store personal protective equipment in a clean place, away from the work area. |
| **Hygiene Measures** | Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas. |
| **Personal Protection** | Use personal protective equipment that is clean and has been properly maintained.<br>Store personal protective equipment in a clean place, away from the work area.<br>Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas. |
| **Skin Protection** | Avoid skin contact.<br>Wear suitable protective clothing.<br>Suitable type of protective clothing:<br>In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.<br>In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.<br>Work clothing worn by personnel shall be laundered regularly.<br>After contact with the product, all parts of the body that have been soiled must be washed. |
| **Environmental Exposure Controls** | Avoid discharging into drainage water. Only eliminate by authorised companies. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| 9.1 INFORMATION ON BASIS PYSICAL AND CHEMICAL PROPERTIES | |
|---|---|
| **Appearance** | Mobile Liquid |
| **Colour** | Colourless to Pale Yellow |
| **Odour** | Characteristic |
| **Specific Gravity @ 20˚C** | 0.892 – 0.910 |
| **Refractive Index @ 20˚C** | 1.464 – 1.472 |
| **Flash Point (°C)** | 23°C <= FP <= 55°C |
| **Melting Point (°C)** | No additional data available. |
| **Boiling Point (°C)** | No additional data available. |
| **Vapour Pressure** | No additional data available. |
| **Solubility in Water @20°C** | Insoluble in water. |
| **Auto-ignition temperature (°C)** | No additional data available. |

| 9.2 OTHER INFORMATION |
|---|
| No additional data available. |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

No additional data available

### 10.2 CHEMICAL STABILITY

This substance is stable under the recommended handling and storage conditions in section 7.

### 10.3 POSSIBLE HAZARD REACTIONS

No additional data available

### 10.4 CONDITIONS TO AVOID

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.
Avoid:

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces
- humidity

### 10.5 INCOMPATIBLE MATERIALS

Keep away from: - water

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO2

## SECTION 11: TOXOLIGICAL INFORMATION

### 11.1 INFORMATION ON TOXILOGICAL EFFECTS

| | |
|---|---|
| **Acute toxicity** | Terpinolene (CAS: 586-62-9) Oral route : LD50 = 3850 mg/kg<br>Delta-3-Carene (CAS: 13466-78-9) Oral route : LD50 = 4800 mg/kg<br>Alpha-Terpineol (CAS: 98-55-5) Oral route : LD50 = 4300 mg/kg<br>Para-Cymene (CAS: 99-87-6) Oral route : LD50 = 4750 mg/kg<br>G-Terpinene (CAS: 99-85-4) Oral route : LD50 = 3850 mg/kg<br>Camphor (CAS: 76-22-2) Oral route : LD50 = 1500 mg/kg<br>Alpha-Pinene (CAS: 80-56-8) Oral route : LD50 = 3500 mg/kg<br>Eucalyptol (CAS: 470-82-6) Oral route : LD50 = 2480 mg/kg |
| **Skin corrosion / irritation** | May cause damage to organs. |
| **Serious eye damage/irritation** | No additional data available. |
| **Respiratory or skin sensitisation** | May be fatal if swallowed and enters airways. May cause an allergic reaction by skin contact. |
| **Germ cell mutagenicity** | No additional data available. |
| **Carcinogenicity** | Monograph(s) from the IARC (International Agency for Research on Cancer): CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans. |
| **Reproductive toxicity** | No additional data available. |
| **STOT-single exposure** | No additional data available. |
| **STOT-repeated exposure** | 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. |
| **Aspiration hazard** | Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration. |
| **Photo-toxicity** | No additional data available. |
| **Other information:** | No additional data available. |

## SECTION 12: ECOLGICAL INFORMATION

### 12.1 TOXICITY

Very to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

### 12.2 PERSISTENCE AND DEGRADABILITY

No additional data available.

### 12.3 BIOACCUMULATION POTENTIAL

No additional data available.

### 12.4 MOBILITY IN SOIL

No additional data available.

### 12.5 RESULTS OF PBT AND VPVB ASSESSMENT

No additional data available.

### 12.6 OTHER ADVERSE EFFECTS

No additional data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

Proper waste management of the material and/or its container must be determined in accordance with Directive 2008/98/EC.
Waste treatment methods Do not pour into drains or waterways.
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. Give to a certified disposal contractor.

## SECTION 14: TRANSPORT INFORMATION

| 14.1 UN NUMBER | |
|---|---|
| **UN No. Road** | UN 1169 |
| **UN No. Sea** | UN 1169 |
| **UN No. Air** | UN 1169 |

### 14.2 UN PROPER SHIPPING NAME

EXTRACTS, AROMATIC, LIQUID

### 14.3 TRANSPORT HAZARD CLASS(ES)

**Transport Label**


**ADR/RID/ADN Class:** **3 Flammable Liquid.**
**IMDG Class:** **3 Flammable Liquid.**
**ICAO Class/Division:** **3 Flammable Liquid.**

### 14.4 PACKAGING 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**

ADR / RID

| Class | Code | Pack gr. | Label | Ident. | LQ | Provis. | EQ Cat. | | Tunnel | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | F1 | III | | 3 | 30 | 5 L | 601 640E | E1 3 | | D/E |

IMDG

| Class | 2°Label | Pack gr. | LQ | EMS Provis. | | EQ | | |
|---|---|---|---|---|---|---|---|---|
| 3 | - | III | | 5 L | F-E,S-D 223 955 | | E1 | |

IATA

| Class | 2°Label | Pack gr. | Passager | | Passager | Cargo | Cargo | note | EQ | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | - | III | | 355 | 60 L | | 366 | 220 L | A3 | E1 |
| 3 | - | III | | Y344 | 10 L | | - | - | A3 | E1 |

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.

**14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE**

No additional data available

**SECTION 15: REGULARTORY INFORMATION**

**15.1 SAFETY, HEALTH AND ENVIRONMENT REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

Statutory Instruments
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Guidance Notes
Workplace Exposure Limits EH40. CHIP for everyone HSG (108).
EU Legislation
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**15.2 CHEMICAL SAFETY ASSESSMENT**

No additional information available.

**SECTION 16: OTHER INFORMATION**

| | |
|---|---|
| **Hazard and/or Precautionary Statements in Full** | H226 Flammable liquid and vapour.<br>H228 Flammable solid.<br>H302 Harmful if swallowed.<br>H304 May be fatal if swallowed and enters airways.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H319 Causes serious eye irritation.<br>H332 Harmful if inhaled.<br>H371 May cause damage to organs .<br>H400 Very toxic to aquatic life.<br>H410 Very toxic to aquatic life with long lasting effects.<br>H411 Toxic to aquatic life with long lasting effects. |
| **Other Information** | Complies with REACH guidance for SDS as circulated by ECHA 2011. |

| | |
|---|---|
| **Version** | 2 |
| **Revision Date** | 8th January 2019 |
| **Reason for Revision** | REACH Status |

**This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.**