



**AMPHORA AROMATICS  
LIMITED**

**essential oils, skincare & aromatherapy products**

**SAFETY DATA SHEET**

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

PRODUCT NAME: Coriander Essential Oil

SUPPLIER: Amphora Aromatics Limited, Airfield House, Western Drive, Bristol, BS14 0AF

PRODUCT NUMBER: 111

CAS NUMBER: 8008-52-4 / 84775-50-8

EC NUMBER: 283-880-0

INCI: Coriandrum Sativum Fruit Oil.

IDENTIFIED USES: Suitable for use in cosmetic, flavour, fragrance and professional use only.

BIOLOGICAL DEFINITION: Coriandrum Sativum Fruit Oil is the volatile oil obtained from the dried fruit of the Coriander, *Coriandrum sativum L., Umbelliferae*.

**2: HAZARDS IDENTIFICATION**

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 8008-52-4 / 84775-50-8

EC: 283-880-0

**CLASSIFICATION (EC1272/2008)**

- |                          |  |
|--------------------------|--|
| - PHYSICAL HAZARDS:      | Not Classified   |
| - HEALTH HAZARDS:        | Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Asp. Tox. 1 - H304<br>May be fatal if swallowed and enters airways. Causes skin irritation.<br>May cause an allergic skin reaction. Causes serious eye irritation. |
| - ENVIRONMENTAL HAZARDS: | Aquatic Chronic 2 - H411<br>Toxic to aquatic life with long lasting effects.   |

**LABEL ELEMENTS**

PICTOGRAM:



SIGNAL WORD:

**DANGER**

HAZARD STATEMENTS:

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:

P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+352 IF ON SKIN: Wash with plenty of soap and water.

SDS: 111 Coriander Essential Oil

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans, Director— Date: 25/04/2019 - Version: 3



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**SUPPLEMENTARY PRECAUTIONARY  
STATEMENTS**

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P331 Do NOT induce vomiting.  
P501 Dispose of contents/container to local regulations.  
P261 Avoid breathing vapour/ spray.  
P264 Wash contaminated skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P321 Specific treatment (see medical advice on this label).  
P332+P313 If skin irritation occurs: Get medical advice/ attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337+P313 If eye irritation persists: Get medical advice/ attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
P405 Store locked up.

**CONTAINS:**

Linalool, Alpha Pinene, p-mentha-1,4-diene, dipentene, Geranyl Acetate, p-Cymene, Geraniol, Beta Pinene, 7-methyl-3-methyleneocta-1,6-diene, a terpinolene

**3: COMPOSITION/INFORMATION ON INGREDIENTS**

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**65 – 78% Linalool**

CAS NUMBER: 78-70-6

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-134-4

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Skin Sens. 1 - H317

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**1 – 9% Alpha pinene**

CAS NUMBER: 80-56-8

M FACTOR (ACUTE) = 1

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-291-9

M FACTOR (CHRONIC) = 1

Flam. Liq. 3 - H226

Acute Tox. 4 - H302

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

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**2 - 7% p-mentha-1,4-diene**

CAS NUMBER: 99-85-4

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-794-6

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

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**3.5 - 6% Camphor**

CAS NUMBER: 76-22-2

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 200-945-0

Flam. Sol. 2 - H228

Acute Tox. 4 - H302

Acute Tox. 4 - H332

STOT SE 2 - H371

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**1.5 – 5% Limonene**

CAS NUMBER: 5989-27-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 227-813-5

Flam. Liq. 3 - H226

Asp. Tox. 1 H304

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

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**1.0 – 4.5% Geranyl Acetate**

CAS NUMBER: 105-87-3

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 203-341-5

Skin Irrit. 2 - H315

Skin Sens. 1B - H317

Aquatic Chronic 2 - H411

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**≤ 4% p-Cymene**

CAS NUMBER: 99-87-6

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-796-7

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Eye irrit. 2 - H319

Asp. Tox. 1 - H304

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**≤ 2.9% Geraniol**

CAS NUMBER: 106-24-1

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 203-377-1

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

Skin Sens. 1 - H317

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**≤1.5% 7-methyl-3-methyleneocta-1,6-diene**

CAS NUMBER: 123-35-3

M FACTOR (ACUTE) = 1

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 204-622-5

M FACTOR (CHRONIC) =

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

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**≤1% Beta Pinene**

CAS NUMBER: 127-91-3

M FACTOR (ACUTE) =

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 242-060-2

M FACTOR (CHRONIC) = 1

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

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**≤1.7% Camphene**

CAS NUMBER: 79-92-5

M FACTOR (CHRONIC) = 1

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-234-8

Flam. Sol. 1 - H228

Eye Irrit. 2 - H319

Aquatic Chronic 1 - H410

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**≤1.1% Alpha Terpinolene**

CAS NUMBER: 586-62-9

M FACTOR (ACUTE) = 1

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 209-578-0

M FACTOR (CHRONIC) = 1

Skin Sens. 1 - H317

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**4: FIRST AID MEASURES**

INHALATION:

Move affected person to fresh air at once. Get medical attention.

INGESTION:

DO NOT INDUCE VOMITING! Get medical attention immediately.

SKIN CONTACT:

Rinse mouth thoroughly with water. Aspiration hazard if swallowed.

EYE CONTACT:

Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS,  
BOTH ACUTE AND DELAYED:

No additional data available

INDICATION OF ANY IMMEDIATE MEDICAL

No additional data available

ATTENTION AND SPECIAL TREATMENT NEEDED:

**5: FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA RECOMMENDED:

Foam, carbon dioxide or dry powder.

UNSUITABLE EXTINGUISHING MEDIA:

Full water jet.

**SPECIAL HAZARDS ARISING FROM THE PRODUCT:**

- SPECIFIC HAZARDS:

In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke.

- HAZARDOUS COMBUSTION  
PRODUCTS:

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Irritating gases or vapours.

ADVICE FOR FIREFIGHTERS:

Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.

Wear full protective clothing

SDS: 111 Coriander Essential Oil

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**6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS, PROTECTIVE  
EQUIPMENT AND EMERGENCY PROCEDURES:

Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. Keep unnecessary and unprotected personnel away from the spillage. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. If ventilation is inadequate, suitable respiratory protection must be worn. Wash thoroughly after dealing with a spillage.

ENVIRONMENT PRECAUTIONS:  
CLEANING UP METHODS FOR SPILLAGES:

Do not discharge into drains, water courses or onto the ground. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash contaminated area with water.

**7: HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING:

Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. Do not breathe vapours. Avoid inhalation of vapours. Use only in well-ventilated areas. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Avoid release to the environment. Do not empty into drains.

CONDITIONS FOR SAFE STORAGE, INCLUDING  
ANY INCOMPATIBILITIES:  
SPECIFIC END USE(S):

Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.  
No additional data available

**8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

CONTROL PARAMETERS:

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**Camphor**

Long-term exposure limit (8-hour TWA): WEL 2 ppm 13 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 3 ppm 19 mg/m<sup>3</sup>

WEL = Workplace Exposure  
Limit

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**Linalool (CAS: 78-70-6)**

DNEL	Workers - Dermal; Short term systemic effects: 5 mg/kg Workers - Inhalation Short term systemic effects: 16.5 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 2.5 mg/kg Workers - Inhalation; Long term systemic effects: 2.8 mg/m <sup>3</sup> General population - Oral; Short term systemic effects: 1.5 mg/kg General population - Dermal; Short term systemic effects: 2.5 mg/kg General population - Inhalation; Short term systemic effects: 4.1 mg/m <sup>3</sup> General population - Oral; Long term systemic effects: 0.2 mg/kg General population - Dermal; Long term systemic effects: 1.25 mg/kg General population - Inhalation; Long term systemic effects: 0.7 mg/m <sup>3</sup>
PNEC	- STP; Short term: 10 mg/l - Soil; Short term: 0.327 mg/kg - Intermittent release; Short term: 2 mg/l - Fresh water; Short term: 0.2 mg/l - Marine water; Short term: 0.02 mg/l - Sediment (Freshwater); Short term: 2.22 mg/kg - Sediment (Marine water); Short term: 0.222 mg/kg

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**Alpha Pinene (CAS: 80-56-8)**

DNEL	Workers - Inhalation; Long term systemic effects: 3.8 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 0.54 mg/kg, bw/day General population - Inhalation; Long term systemic effects: 0.67 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 0.19 mg/kg, bw/day General population - Oral; Long term systemic effects: 0.19 mg/kg, bw/day
PNEC	- Fresh water; Short term: 0.606 mg/l - Fresh water, Intermittent release; 3.03 mg/l - Marine water; Short term: 0.061 mg/l - Intermittent release, Marine water; 0.303 mg/l - STP; Short term: 0.2 mg/l - Sediment (Freshwater); Short term: 157 mg/kg - Sediment (Marine water); Short term: 15.7 mg/kg - Soil; Short term: 31.7 mg/kg

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**Camphor (CAS: 76-22-2)**

DNEL	Workers - Inhalation; Long term systemic effects: 17.632 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 10 bw/day, mg/kg General population - Inhalation; Long term systemic effects: 4.348 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 5 mg/kg, bw/day General population - Oral; Long term systemic effects: 5 mg/kg, bw/day
PNEC	- Fresh water; Short term 9.303 mg/l - Fresh water, Intermittent release; 93.03 mg/l - Marine water; Short term 0.93 mg/l - Sediment (Freshwater); Short term 0.139 mg/kg - Sediment (Marine water); Short term 0.014 mg/kg - Soil; Short term 2.17 mg/kg

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**Geranyl Acetate (CAS: 105-87-3)**

DNEL	Workers - Inhalation; Long term systemic effects: 62.59 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 35.5 bw/day, mg/kg General population - Inhalation; Long term systemic effects: 15.4 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 17.75 bw/day, mg/kg General population - Oral; Long term systemic effects: 8.9 mg/kg, bw/day
PNEC	- Fresh water; Short term 3.72 mg/l - Intermittent release, Fresh water; 37.2 mg/l - Marine water; Short term 0.372 mg/l - STP; Short term 8 mg/l - Sediment (Freshwater); Short term 0.442 mg/kg - Sediment (Marine water); Short term 0.044 mg/kg - Soil; Short term 0.086 mg/kg

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**Geraniol (CAS: 106-24-1)**

DNEL	Workers - Inhalation; Long term systemic effects: 161.6 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 12.5 mg/kg, bw/day General population - Inhalation; Long term systemic effects: 47.8 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 7.5 mg/kg, bw/day General population - Oral; Long term systemic effects: 13.75 bw/day, mg/kg
PNEC	- Fresh water; Short term 0.011 mg/l - Intermittent release, Fresh water; 0.108 mg/l - Marine water; Short term 0.001 mg/l - STP; Short term 0.7 mg/l - Sediment (Freshwater); Short term 0.115 mg/kg - Sediment (Marine water); Short term 0.011 mg/kg - Soil; Short term 0.017 mg/kg

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**7-methyl-3-methyleneocta-1,6-diene (CAS: 123-35-3)**

DNEL	Workers - Dermal; Long term systemic effects: 0.83 mg/kg Workers - Inhalation; Long term systemic effects: 5.83 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 0.42 mg/kg General population - Inhalation; Long term systemic effects: 1.25 mg/m <sup>3</sup>
PNEC	- STP; 0.2 mg/l - Soil; 1.015 mg/kg - Fresh water; 0.00028 mg/l - Marine water; 0.0008 mg/l - Sediment (Freshwater); 5.022 mg/kg - Sediment (Marine water); 0.502 mg/kg

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**a terpinolene (CAS: 586-62-9)**

DNEL

Workers - Inhalation; Long term systemic effects: 3.6 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 0.52 bw/day, mg/kg  
General population - Inhalation; Long term systemic effects: 0.9 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 0.26 bw/day, mg/kg  
General population - Oral; Long term systemic effects: 0.26 bw/day, mg/kg

PNEC

- Fresh water; Short term 0.634 mg/l  
- Intermittent release, Fresh water; Short term 0.634 mg/l  
- Marine water; Short term 0.063 mg/l  
- STP; Short term 0.2 mg/l  
- Sediment (Freshwater); Short term 14.7 mg/kg  
- Sediment (Marine water); Short term 14.7 mg/kg  
- Soil; Short term 29.1 mg/kg

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**Beta Pinene (CAS: 127-91-3)**

DNEL

Workers - Inhalation; Long term systemic effects: 5.69 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 0.8 mg/kg, bw/day  
General population - Inhalation; Long term systemic effects: 1 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 0.3 bw/day, mg/kg  
General population - Oral; Long term systemic effects: 0.3 mg/kg, bw/day

PNEC

- Fresh water; Short term 1.004 mg/l  
- Intermittent release, Fresh water; 5.02 mg/l  
- Marine water; Short term 0.1 mg/l  
- STP; Short term 3.26 mg/l  
- Sediment (Freshwater); Short term 0.337 mg/kg  
- Sediment (Marine water); Short term 0.034 mg/kg  
- Soil; Short term 0.067 mg/kg

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**Camphene (CAS: 79-92-5)**

DNEL

Workers - Inhalation; Long term systemic effects: 110.19 mg/m<sup>3</sup>  
Workers - Inhalation; Short term systemic effects: 110.19 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 0.21 mg/kg, bw/day  
Workers - Dermal; Short term systemic effects: 1.25 bw/day, mg/kg  
General population - Inhalation; Long term systemic effects: 54.3 mg/m<sup>3</sup>  
General population - Inhalation; Short term systemic effects: 54.3 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 0.1 bw/day, mg/kg  
General population - Dermal; Short term systemic effects: 0.625 bw/day, mg/kg  
General population - Oral; Long term systemic effects: 0.1 mg/kg, bw/day  
General population - Oral; Short term systemic effects: 0.625 bw/day, mg/kg

PNEC

- Fresh water; Short term 0.001 mg/l  
- Intermittent release, Fresh water; 0.001 mg/l  
- Marine water; Short term 0 mg/l  
- STP; Short term 10 mg/l  
- Sediment (Freshwater); Short term 0.026 mg/kg  
- Sediment (Marine water); Short term 0.003 mg/kg  
- Soil; Short term 0.021 mg/kg

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**PROTECTIVE EQUIPMENT:**



PROCESS CONDITIONS  
ENGINEERING MEASURES  
RESPIRATORY EQUIPMENT

HAND PROTECTION  
EYE PROTECTION  
OTHER PROTECTION  
HYGIENE MEASURES

PERSONAL PROTECTION  
SKIN PROTECTION  
ENVIRONMENTAL EXPOSURE CONTROLS

Provide eyewash station.  
Provide adequate ventilation.  
Generally unnecessary in a well-ventilated area. If ventilation is insufficient, respiratory protection must be worn.  
Chemical resistant gloves (PVC) should be worn.  
Wear approved safety goggles.  
Wear apron or protective clothing in case of contact.  
No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.  
Avoid inhalation and contact with skin and eyes.  
Wear apron or protective clothing in case of splashes.  
Avoid discharging into drainage water. Only eliminate by authorised companies.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Clear liquid, colourless to pale yellow.
COLOUR	Colourless to pale yellow.
ODOUR	Characteristic
RELATIVE DENSITY	Approx. 0.870 @ 20°C
FLASH POINT (°C)	≥ 62.5 (Closed cup)
REFRACTIVE INDEX	Approx. 1.465 @ 20°C
MELTING POINT (°C)	≤ -20.0
BOILING POINT (°C)	No additional data available.
VAPOUR PRESSURE	633 Pa @25°C
SOLUBILITY IN WATER @20°C	Insoluble in water.
AUTO-IGNITION TEMPERATURE (°C)	No additional data available.

**10: STABILITY AND REACTIVITY**

REACTIVITY:	No hazardous reactions if stored and handled as prescribed / indicated.
CHEMICAL STABILITY:	Stable under the prescribed storage conditions.
POSSIBLE HAZARDOUS REACTIONS	None known
CONDITIONS TO AVOID	Avoid heat, flames and other sources of ignition.
INCOMPATIBLE MATERIALS	Avoid; Strong oxidising agents. Strong Acids. Strong Alkali
HAZARDOUS DECOMPOSITION PRODUCTS	No dangerous decomposition products expected by intended use. By fire, toxic gases (CO, CO <sub>2</sub> , NO <sub>x</sub> ) may be formed.



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**11: TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY

**Acute toxicity - oral**

- Notes (oral LD<sub>50</sub>): LD<sub>50</sub> 4130 mg/kg, Oral, Rat
- ATE oral (mg/kg): 5,555.56

**Acute toxicity - dermal**

- Notes (dermal LD<sub>50</sub>): No information available.

**Acute toxicity - inhalation**

- ATE inhalation (vapours mg/l):244.44

SKIN CORROSION / IRRITATION

Causes skin irritation.

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITISATION

May cause an allergic skin reaction.

GERM CELL MUTAGENICITY

No additional data available.

CARCINOGENICITY

No additional data available.

REPRODUCTIVE TOXICITY

No additional data available.

STOT-SINGLE EXPOSURE

No additional data available.

STOT-REPEATED EXPOSURE

No additional data available.

ASPIRATION HAZARD

May be fatal if swallowed and enters airways.

PHOTO-TOXICITY

No additional data available.

OTHER INFORMATION

No additional data available.

**12: ECOLOGICAL INFORMATION**

ECOTOXICITY:

Acute toxicity - aquatic invertebrates: EL50, 48 hours: 8.0 mg/l,  
Acute toxicity - aquatic plants: ErL50, 72 hours: 11.0 mg/

PERSISTENCE AND DEGRADABILITY:

Expected to be readily biodegradable

BIOACCUMULATIVE POTENTIAL:

No additional data available.

MOBILITY IN SOIL:

No additional data available.

RESULTS OF PBT AND vPvB ASSESSMENT:

No additional data available.

PRECAUTIONS:

No additional data available.

**13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS:

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not empty into drains. Avoid releasing into the environment.

**14: TRANSPORT INFORMATION**

UN No. ROAD:

3082

UN No. SEA:

3082

UN No. AIR:

3082

PROPER SHIPPING NAME:

ENVIRONMENTALLY HAZARD SUBSTANCE LIQUID, N.O. S

**TRANSPORT HAZARD CLASS(ES):**

- ADR/RID/ADN CLASS:

9 Miscellaneous dangerous substances and articles.

- IMDG CLASS:

9

- ICAO CLASS:

9





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**PACKING GROUP:**

- ADR/RID/ADN PACKING GROUP: III
- IMDG PACKING GROUP: III
- ICAO PACKING GROUP: III

**ENVIRONMENTAL HAZARDS**

Environmentally Hazardous  
Substance/Marine Pollutant



**SPECIAL PRECAUTIONS FOR USER:**

- EMS: F-A-S-F
- ADR TRANSPORT CATEGORY: 3
- EMERGENCY ACTION CODE: •3Z
- HAZARD No. (ADR): 90 Environmentally hazardous substance; miscellaneous dangerous substances
- TUNNEL RESTRICTION CODE: (E)

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

N/A

**15: REGULATORY INFORMATION**

**STATUTORY INSTRUMENTS:**

The Chemicals (Hazard Information and Packaging for Supply)  
Regulations 2009 (S.I 2009 No. 716).

**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.

**GUIDANCE:**

Workplace Exposure Limits EH40. CHIP for everyone HSG (108).



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**16: OTHER INFORMATION**

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.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H371 May cause damage to organs.  
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.  
H412 Harmful to aquatic life with long lasting effects.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.  
Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.