

## Capilure Liquid C15L

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

#### **1.1. Product identifier**

Product name: C15L Capilure Liquid

Contains: 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate & 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

REACH Registration notes: This is a MIXTURE; no registration information is contained in this document. International Pheromone Systems Ltd are classed as Downstream User.

#### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

Pest Monitoring Product

#### **1.3. Details of the supplier of the safety data sheet**

Supplier: International Pheromone Systems Ltd  
Use advised against : No information available

Address: Evolution House, Longacre Road, Clayhill Industrial Estate, Neston, Cheshire, CH64 3RL, United Kingdom  
Telephone : +44(0)151 363 7060 (Available during normal office hours)

#### **1.4. Emergency Telephone Number**

+44(0)151 363 7060 (Available during normal office hours)

### SECTION 2: HAZARDS IDENTIFICATION

#### **2.1. Classification of the substance or mixture**

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Skin Irrit. 2 – H315; Eye Irrit. 2 – H319; Aquatic Chronic 2 – H411
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

#### **2.2. Label elements**

Signal Word:

Warning: Contains 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate and 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran



Hazard Statements:

H315 – Causes skin irritation  
H319 – Causes serious eye irritation  
H411 – Toxic to aquatic life with long lasting effects

**Precautionary Statements:**

P101 - If medical advice is needed, have product container or label at hand.  
P273 – Avoid release to the environment  
P280 - Wear protective gloves  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations

**Supplementary Precautionary Statements:**

None applicable

**2.3. Other hazards**

Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.  
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran is being assessed for persistent, bioaccumulative and toxic properties

Determination of endocrine disrupting properties:

This product does not contain any components that are included as components according to Article 57(f) of the REACH Regulation (EU) endocrine disrupting properties are considered at levels of 0.1% or greater.  
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran is being assessed for endocrine disrupting properties

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable

**3.2. Mixtures**

|   |      |
|---|------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate<br>CAS-No: 12002-53-8<br>EC No: 234-416-0<br>Classification (EC 1272/2008): Skin Irrit. 2 – H315; Eye Irrit. 2 – H319        | >60% |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran<br>CAS-No: 1222-05-5<br>EC No.: 214-946-9<br>Classification (EC 1272/2008): Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 | <5%  |
| Modified Rosin Esters<br>CAS-No: 8050-15-5<br>EC No: 232-476-2<br>Classification (EC 1272/2008): Aquatic Chronic 3 – H412   | <30% |

REACH Registration notes: This is an ARTICLE; no registration information is contained in this document.  
International Pheromone Systems Ltd are classed as Downstream User.

## SECTION 4: FIRST AID MEASURES

Rescuers should put on approved personal protective equipment (PPE) before administering first aid  
Rescuers should take suitable precautions to avoid becoming casualties themselves

### **4.1. Description of first aid measures**

#### Contact with eyes

If substance gets into eyes, immediately wash out with plenty of water for several minutes  
Irrigate eyes thoroughly whilst lifting eyelids  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

#### Contact with skin

Take off contaminated clothing and wash it before reuse.  
Wash affected area with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention.

#### Ingestion

Rinse mouth with water (do not swallow)  
Give plenty of water to drink  
If vomiting occurs turn patient on side Get medical advice/attention.

#### Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If unconscious, place person in recovery position  
Get medical advice/attention.

### **4.2. Most important symptoms and effects, both acute and delayed**

#### Contact with eyes

May be irritating and may cause redness and pain

#### Contact with skin

May cause skin irritation

#### Ingestion

May cause discomfort if swallowed, nausea & vomiting.

#### Inhalation

No hazard expected under normal conditions of use

### **4.3. Indication of any immediate medical attention and special treatment needed**

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
- Treat symptomatically and supportively.

## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

- Suitable extinguishing media: In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

- Unsuitable extinguishing media: High volume water jet

### **5.2. Special hazards arising from the substance or mixture**

- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include nitrogen and carbon oxides

### **5.3. Advice for firefighters**

- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

- No action shall be taken involving any personal risk or without suitable training
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Avoid breathing vapours, mist or gas; Do not get in eyes, on skin, or on clothing; Wash thoroughly after handling.
- Personal precautions for emergency responders: Avoid breathing vapours, mist or gas; Avoid contact with skin and eyes; Wear protective clothing as per section 8

### **6.2. Environmental precautions**

- Do not allow to enter public sewers and watercourses

### **6.3. Methods and material for containment and cleaning up**

- Recover the product where possible
- Remove contaminated material to safe location for subsequent disposal

### **6.4. Reference to other sections**

- See section(s): 7, 8 & 13

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

- Wear protective clothing as per section 8
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.

### **7.2. Conditions for safe storage, including any incompatibilities**

- Always store sealed in original packaging
- Keep away from direct sunlight
- Shelf life: 24 months when stored in a refrigerator.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep away from food, drink and animal feeding stuffs
- Incompatible with strong oxidizers, strong acids, strong bases

**7.3. Specific end use(s)**

- Liquid attractant to be used in traps for monitoring specific fruit fly pests

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values). European Standard EN 14042 (Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents). European Standard EN 482 (Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate

No exposure limits have been set for this substance

1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

| Type                              | Hazard Assessment              | Value                 | Derivation method   |
|-----------------------------------|--------------------------------|-----------------------|---------------------|
| Workers via inhalation            | Desired No Effect Level (DNEL) | 22 mg/m <sup>3</sup>  | ECHA REACH Guidance |
| Workers via dermal                | Desired No Effect Level (DNEL) | 60 mg/Kg bw/day       | ECHA REACH Guidance |
| General population via inhalation | Desired No Effect Level (DNEL) | 6.5 mg/m <sup>3</sup> | ECHA REACH Guidance |
| General population via dermal     | Desired No Effect Level (DNEL) | 36 mg/Kg bw/day       | ECHA REACH Guidance |
| General population via oral       | Desired No Effect Level (DNEL) | 3.8 mg/Kg bw/day      | ECHA REACH Guidance |

Modified Rosin Esters

| Type                              | Hazard Assessment              | Value                  | Derivation method   |
|-----------------------------------|--------------------------------|------------------------|---------------------|
| Workers via inhalation            | Desired No Effect Level (DNEL) | 44.6 mg/m <sup>3</sup> | ECHA REACH Guidance |
| Workers via dermal                | Desired No Effect Level (DNEL) | 6.3 mg/Kg bw/day       | ECHA REACH Guidance |
| General population via inhalation | Desired No Effect Level (DNEL) | 13.2 mg/m <sup>3</sup> | ECHA REACH Guidance |
| General population via dermal     | Desired No Effect Level (DNEL) | 3.8 mg/Kg bw/day       | ECHA REACH Guidance |
| General population via oral       | Desired No Effect Level (DNEL) | 3.8 mg/Kg bw/day       | ECHA REACH Guidance |

## **8.2. Exposure controls**

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls  
Ensure adequate ventilation  
  
If practicable, engineering controls should be provided where airborne concentrations exceed exposure limits
- Respiratory protection  
No respiratory protection is needed during normal handling  
  
In case of insufficient ventilation, wear suitable respiratory equipment  
  
See standard EN 529 for further guidance on the selection, use, care and maintenance of respiratory protective devices
- Skin protection  
Wear suitable protective clothing  
Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.  
The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Eye/face protection  
Wear safety glasses approved to standard EN 166.
- Thermal hazards  
Not applicable
- Hygiene measures  
Contaminated clothing should be laundered before reuse. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
- Environmental exposure controls  
Do not allow to enter public sewers and watercourses

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on basic physical and chemical properties**

- |   |                 |
|---|-----------------|
| - Appearance:                                   | Liquid          |
| - Colour:                                       | Orange to red   |
| - Odour:  | Fruity          |
| - pH-Value (1%):                                | 6.91 – 6.97     |
| - Melting point:                                | Not determined  |
| - Initial boiling point and boiling range (°C): | Not determined  |
| - Flash point (°C):                             | Not determined  |
| - Evaporation rate:                             | Not determined. |
| - Flammability:                                 | Not determined  |
| - Solubility:                                   | Not applicable  |
| - Viscosity (P):                                | 0.55 – 0.65     |

**9.2. Other information**

No information available

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

- No hazardous reactions known if used for its intended purpose

**10.2. Chemical stability**

- Considered stable under normal conditions

**10.3. Possibility of hazardous reactions**

- Will not polymerise

**10.4. Conditions to avoid**

- Keep away from heat and sources of ignition

**10.5. Incompatible materials**

- No hazardous reactions known if used for its intended purpose

**10.6. Hazardous decomposition products**

- Incompatible No hazardous reactions known if used for its intended purpose

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

- Acute Toxicity

Based on available data, the classification criteria are not met

Substances

| Chemical Name  | LD50<br>(oral, rat)  | LC50<br>(inhalation,<br>rat) | LD<br>(dermal,<br>rabbit) |
|--|----------------------|------------------------------|---------------------------|
| 1,1-Dimethylethyl-4 (or 5)-<br>chloro-<br>methylcyclohexanecarboxylate | No data<br>available | No data<br>available         | > 5,000 mg/kg             |
| 1,3,4,6,7,8-Hexahydro-<br>4,6,6,7,8,8-<br>hexamethylindeno[5,6-c]pyran | >2,000 mg/Kg         | > 5.04 mg/L                  | >2,000 mg/Kg              |
| Modified Rosin Esters  | >2,000 mg/Kg         | No data<br>available         | >2,000 mg/Kg              |

- Skin corrosion/irritation  
One substance causes skin irritation

## Substances

| Chemical Name  | Irritation/corrosion                    |
|--|---|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | Causes skin irritation                  |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | No adverse effect observed              |
| Modified Rosin Esters  | Slight effect observed on Rabbit (24 h) |

- Serious eye damage/irritation  
One substance causes serious eye irritation

## Substances

| Chemical Name  | Irritation/corrosion                        |
|--|---|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | Causes eye irritation                       |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | No adverse effects observed (cattle)        |
| Modified Rosin Esters  | No adverse effect observed on Rabbit (24 h) |

- Respiratory or skin sensitisation  
Based on available data, the classification criteria are not met

## Substances

| Chemical Name  | Skin sensitisation                       | Respiratory sensitisation |
|--|--|---------------------------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | No data available                        | No data available         |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | No adverse effect observed on Guinea pig | No data available         |
| Modified Rosin Esters  | No adverse effect observed on Guinea pig | No data available         |

- Germ cell mutagenicity  
Based on available data, the classification criteria are not met



## Substances

| Chemical Name  | Toxicity - In Vitro                                 | Toxicity - In Vivo |
|--|---|--------------------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | No data available                                   | No data available  |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | Negative result in Reverse Mutation Assay           | Negative result    |
| Modified Rosin Esters  | Negative result in Bacterial Reverse Mutation Assay | No data available  |

## - Carcinogenicity –

Based on available data, the classification criteria are not met

## Substances

| Chemical Name  | NOAEL (oral, rat) | NOAEC (inhalation, rat) | NOAEL (dermal, rat) |
|--|-------------------|-------------------------|---------------------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | No data available | No data available       | No data available   |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | No data available | No data available       | No data available   |
| Modified Rosin Esters  | No data available | No data available       | No data available   |

## - Reproductive toxicity

Based on available data, the classification criteria are not met

## Substances

| Chemical Name  | NOAEL (oral, rat) | NOAEC (inhalation, rat) | NOAEL (dermal, rat) |
|--|-------------------|-------------------------|---------------------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | No data available | No data available       | No data available   |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | >1,650 ppm        | No data available       | No data available   |
| Modified Rosin Esters  | No data available | No data available       | No data available   |

## - Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met

## Substances

| Chemical Name  | Route       | Remarks            |
|--|-------------|--------------------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | Respiratory | No study available |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | Respiratory | No study available |
| Modified Rosin Esters  | Respiratory | No study available |

- Specific target organ toxicity (STOT) - repeated exposure  
Based on available data, the classification criteria are not met

## Substances

| Chemical Name  | NOAEL<br>(oral, rat) | NOAEC<br>(inhalation,<br>rat) | NOAEL<br>(dermal, rat) |
|--|----------------------|-------------------------------|------------------------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | No data available    | No data available             | No data available      |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | 150 mg/Kg            | No data available             | No data available      |
| Modified Rosin Esters  | 39-43 mg/Kg          | No data available             | No data available      |

- Aspiration hazard  
Based on available data, the classification criteria are not met
- Contact with eyes  
May cause eye irritation and redness
- Contact with skin  
May cause skin irritation
- Ingestion  
May cause discomfort if ingested
- Inhalation  
No hazard expected under normal conditions of use

**11.2 Information on other hazards**

This product does not contain any substances classified as PBT or vPvB.

1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran is being assessed for persistent, bioaccumulative and toxic properties.

This product does not contain any components considered to have endocrine disrupting properties according to Article 57(f) of the REACH Regulation (EU) at levels of 0.1% or greater.

1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran is being assessed for endocrine disrupting properties

## SECTION 12: ECOLOGICAL INFORMATION

- One substance classed as very toxic to aquatic life with long lasting effects
- One substance classed as harmful to aquatic life with long lasting effects

### Substances

| Chemical Name  | LC <sub>50</sub> (fish) | EC <sub>50</sub> (aquatic invertebrates) | EC <sub>50</sub> (aquatic algae) |
|--|-------------------------|--|----------------------------------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | 6 mg/l (96 h)           | No data available                        | No data available                |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | 0.95 mg/l (96 h)        | 0.194 mg/l (6 d)                         | 0.201 mg/l (72 h)                |
| Modified Rosin Esters  | >1,000 mg/L (96 h)      | 27 mg/L (48 h)                           | >1,000 mg/L (72 h)               |

### 12.2. Persistence and degradability

- Expected to readily degrade

### Substances

| Chemical Name  | Biodegradation            |
|--|---------------------------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | No data available         |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | 50% biodegradation in 35d |
| Modified Rosin Esters  | 54% biodegradation (28 d) |

### 12.3. Bioaccumulative potential

- Not expected to bioaccumulate

### Substances

| Chemical Name  | Bioconcentration Factor (BCF) | Log K <sub>ow</sub> |
|--|-------------------------------|---------------------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | No data available             | No data available   |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | 2,400 L/Kg ww                 | No data available   |
| Modified Rosin Esters  | No data available             | No data available   |

**12.4. Mobility in soil**

- Not determined

## Substances

| Chemical Name  | Adsorption/desorption | Mobility          |
|--|-----------------------|-------------------|
| 1,1-Dimethylethyl-4 (or 5)-chloro-methylcyclohexanecarboxylate | No data available     | No data available |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran | No data available     | No data available |
| Modified Rosin Esters  | No data available     | No data available |

**12.5 Results of PBT and vPvB assessment**

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII
- 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran is being assessed for persistent, bioaccumulative and toxic properties

**12.6 Endocrine disrupting properties**

- See Section 11 for information on endocrine disrupting properties.

**12.7 Other adverse effects**

- No information available

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Dispose of product and packaging in accordance with national waste regulations

**13.2. Classification**

- The waste must be identified according to the List of Wastes (2000/532/EC)
- Hazardous Property Code(s): HP 14 Ecotoxic

**SECTION 14: TRANSPORT INFORMATION**

This product is a combination of an article (functioning as a container or a carrier material) and a mixture.

**14.1 UN number or ID number**

- UN No. (ADRIRID/AND): 3082

- UN No. (IMDG): 3082
- UN No. (ICAO): 3082

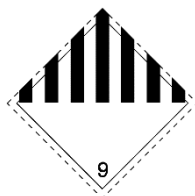
**14.2 UN proper shipping name**

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NO.5. (1,3,4,6,7, 8-Hexahydro-4,6,6,7,8, 8-hexamethylindeno[5,6-c]pyran)

**14.3 Transport hazard class(es)**

- Haz ADR/RID/AND: Class 9
- ADR/RID/ADN Class: Class 9: Miscellaneous dangerous substances and articles.
- ADR Label No: Class 9
- IMDG Class: Class 9
- ICAD Class/Division: Class 9

Transport Labels:

**14.4 Packing group**

- Packing ADR/RID/ADN Packing group: III
- IMDG Packing group: III
- ICAD Packing group: III

**14.5 Environmental hazards**

- Environmentally hazardous substance/Marine pollutant

**14.6 Special precautions for user**

- EMS: F-A, S-F
- Tunnel Restriction Code: (E)

**14.7 Maritime transport in bulk according to IMO instruments**

- Class 9, Packing Group III

**14.8 Road/Rail (ADR/RID)**

- Class 9, Packing Group III

**14.9 Sea (IMDG)**

- Class 9, Packing Group III

**14.10 Air (ICAO/IATA)**

- Class 9, Packing Group III

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 (as amended by Regulation (EU) 2020/878) and UK REACH
- The GB Classification, Labelling and Packaging Regulation (GB CLP) applies in Great Britain
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe
- The COSHH Regulations apply in the UK
- UN 3077 and UN 3082, when carried in single or combination packagings containing a net quantity per single or inner packaging of 5L/kg or less, are not subject to the provisions of ADR, RID, IMDG or IATA, provided the package meets the general packing quality provisions.
- Restrictions on use according to Annex XVII to REACH Regulation: Not applicable
- Seveso III Directive (2012/18/EU, Dangerous Substances in Annex I: Class E1 (Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1), LT 100 te, UT 200 te

**15.2. Chemical Safety Assessment**

- No information available

**SECTION 16: OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Changes made: Revised classification and revisions to all sections to conform to latest version of REACH Annex II

Training advice

Workers must be informed of the presence of hazardous ingredients and trained in the proper use and handling of this product as required under applicable regulations

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H315: Causes skin irritation
- H319: Causes serious eye irritation
- H410: Very toxic to aquatic life with long lasting effects
- H412: Harmful to aquatic life with long lasting effects

Acronyms

- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC<sub>50</sub>: Effective Concentration, 50%
- GHS: Globally Harmonised System

- IARC: International Agency for Research on Cancer
- LC<sub>50</sub>: Lethal Concentration, 50%
- LD<sub>50</sub>: Lethal Dose, 50%
- NOAEC: No observed adverse effect concentration
- NOAEL: No observed adverse effect level
- NOEC: No observed effect concentration
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- SCL: Specific Concentration Limit
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

Creation Date: 23/03/2014

Revision Date: 11/05/2023

Revision: 4

| Version | Amendments   | Date       |
|---------|--|------------|
| 1       | Issued   | 23/03/2014 |
| 1.1     | Risk Phrases removed. Sections 15 and 16 updated                                   | 04/03/2017 |
| 1.2     | Ingredient hazards updated in Section 3.2  | 06/11/2018 |
| 1.3     | Product hazards updated in Section 2. Product specifications amended in Section 9. | 18/02/2020 |
| 1.4     | Document format updated and amended to (EU) Regulation 2020/878                    | 11/05/2023 |