**Section 1: Identification of the Substance/Mixture and of the Company**

**Product identifier**

|  |  |
| --- | --- |
| Product Name | Allyl Cyclohexyl Glycolate |
| Product Number | 772-2003 |

**Relevant identified use of the substance/mixture and uses advised against**

|  |  |
| --- | --- |
| Use of Substance/Mixture | Fragrance agent. |

**Details of supplier of the SDS**

|  |  |
| --- | --- |
| Company | O’Laughlin Corporation Limited |
| Address | Suite 1704 Chinachem Tower 34 – 37 Connaught Road, Central, Hong Kong |
| Telephone | (852) 2527 1031 |
| Fax | (852) 2529 0231 |
| Website | www.olaughlinco.com |

**Emergency telephone number**

(852) 2527 1031

**Section 2: Hazards Identification**

**Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

Acute toxicity – oral, Category 3, H302

Hazardous to the aquatic environment – chronic toxicity, Category 2, H412

**Labelling elements**

**Labelling according to Regulation (EC) No 1272/2008**

**Pictogram** 

**Signal word Warning**

**Hazard Statement**

H302 - Harmful if swallowed.

H412 - Harmful to aquatic life with long lasting effects

**Precautionary statement**

**Prevention**

P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 - Rinse mouth.

P391 - Collect spillage.

**Disposal**

P501 - Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

**Hazards Not Otherwise Classified** No information available

**Supplemental Hazard Information** No information available

**Section 3: Composition/information on ingredients**

|  |  |
| --- | --- |
| **Substance Name** | **Allyl ester** |
| CAS Number | 68901-15-5 |
| EC Number | 272-657-3 |
| % (w/w) | 100 |

Remarks: The rest unspecified ingredients are impurities, and they are not hazard.

**Section 4: First Aid Measures**

**Description of first aid measures**

|  |  |
| --- | --- |
| **Skin contact** | Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes. |
| **Eye contact** | Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids. |
| **Ingestion** | Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. |
| **Inhalation** | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.If breathing is difficult, give oxygen.Remove the person to fresh air and keep at rest. Obtain medical advice immediately. |

**Most important symptoms and effects, both acute and delayed**

Skin irritation. May cause redness and pain.

**General information**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**Indication of any immediate medical and special treatment needed:** No information available.

**Section 5: Fire-fighting Measures**

**Flammable properties**

|  |  |
| --- | --- |
| Flash point | ＞100°C |

**Firefighting**

|  |  |
| --- | --- |
| Suitable extinguishing media | Water spray, fog, CO2, dry chemical, or alcohol resistant foam. |
| Unsuitable extinguish media | Do not use a solid water stream as it may scatter and spread fire. |

**Protective equipment and precautions for firefighters**

|  |  |
| --- | --- |
| Specific hazards during firefighting | Fire may produce irritating, corrosive and toxic gases. |
| Specific protective equipment for firefighters | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighter’s protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires. |
| Specific methods | Use water spray to cool unopened containers |
| **General fire hazards** | Static charges generated by emptying package in or near flammable vapor may cause flash fire. |

**Section 6: Accidental Release Measures**

|  |  |
| --- | --- |
| **Personal precautions** | Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. |
| **Environmental precautions** | Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment. |
| **Methods for cleaning up** | Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers.Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. |

**Section 7: Handling and Storage**

|  |  |
| --- | --- |
| **Storage** | To be stored in tightly sealed and preferably full containers in a cool, dry and ventilated location, protect from light. |
| **Handling** | Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection. |
| **Specific end use(s)** | No information available. |

**Section 8: Exposure Controls/Personal Protection**

**Control parameters:** Components with workplace control parameters.

**Exposure controls**

|  |  |
| --- | --- |
| **Appropriate engineering controls** | Use explosion-proof ventilation equipment to stay below exposure limits. |

**Personal protective equipment**

|  |  |
| --- | --- |
| **Eye/face protection** | Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). |
| **Hand protection** | Type of gloves recommended: Butyl rubber. Minimum breakthrough time / gloves: 480 min. Minimum thickness / gloves 0.11 mm. |
| **Body protection** | Protective work clothing |
| **Respiratory protection** | Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided |
| **Thermal hazards** | Wear suitable protective clothing to prevent heat. |
| **Environmental exposure controls** | Avoid discharge into the environment. According to local regulations, Federal and official regulations. |
| **Industrial hygiene:** | Handle in accordance with good industrial hygiene and safety practice. Wash hand before breaks and at the end of workday. |

**Section 9: Physical and Chemical Properties**

|  |  |
| --- | --- |
| **Appearance** | Clear colorless liquid.  |
| **Odor** | Green, Galbanum, Fruity, Pineapple. |
| **Flash point**  | ＞ 100 °C |
| **Specific Gravity** | 1.012 – 1.020 at 20 °C |
| **Refractive Index** | 1.460- 1.464 at 20 °C |
| **Acid Value** | 1.0mg KOH/g max. |
| **Solubility (ies)** | Insoluble in water. |
| **Auto ignition temperature** | No information available.  |
| **Viscosity** | No information available. |

**Section 10: Stability and Reactivity**

|  |  |
| --- | --- |
| **Reactivity** | Stable under normal temperatures and pressures. |
| **Chemical stability** | Stable at room temperature in closed containers under normal storage and handling conditions. |
| **Possibility of hazardous reactions** | No hazardous reactions known. |
| **Conditions to avoid** | No information available. |
| **Incompatible materials** | Strong oxidizing agents, strong bases, mineral acids. |
| **Hazardous decomposition products** | No information available. |

**Section 11: Toxicological Information**

|  |
| --- |
| **Information on likely routes of exposure** |
| **Inhalation** | No adverse effects due to inhalation are expected. |
| **Skin contact** | May be harmful in contact with skin. Causes skin irritation. |
| **Eye contact** | Direct contact with eyes may cause temporary irritation. |
| **Ingestion** | Expected to be a low ingestion hazard. |
| **Information on toxicological effects** |
| **Acute toxicity** | Harmful if swallowed. May be harmful in contact with skin. |
| **LD50(Oral, Rat):** | 1040 mg/kg |
| **LD50(Dermal, Rabbit):** | > 2000 mg/kg |
| **Skin corrosion/Irritation:** | Rabbit: No skin irritation @ 100% |
| **Serious eye damage/irritation:** | Rabbit: No eye irritation @ 2% |
| **Respiratory sensitization:** | Not a respiratory sensitizer. |
| **Skin sensitization:** | Guinea pig: No sensitizing effect @ 25 % |
| **Germ cell mutagenicity** | No information available. |
| **Carcinogenicity** |  |
| **OSHA**  | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| **IARC** | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| **ACGIH** | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| **NTP** | No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| **Reproductive toxicity** | No information available |
| **TOST - single exposure** | No information available. |
| **TOST - repeated exposure** | No information available. |
| **Aspiration hazard** | No information available. |

**Section 12: Ecological Information**

|  |  |
| --- | --- |
| **Eco toxicity** | Harmful to aquatic life with long lasting effects. |
| **Persistence and degradability** | No information available. |
| **Bio accumulative potential** | No information available. |
| **Mobility in soil** | No information available. |
| **Results of PBT&vPvB assessment** | No information available. |
| **Other adverse effects** | No information available. |

**Section 13: Disposal Considerations**

|  |  |
| --- | --- |
| **Disposal instructions** | Do not discharge into drains, water course or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Local disposal regulations** | Dispose in accordance with all applicable regulations. |
| **Hazardous water code** | No information available. |
| **Waste from residues/unused products** | Empty containers or liner may retain some product residues. This material and its container must be disposed of in a safe manner. |
| **Contaminated packaging** | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied |

**Section 14: Transport Information**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **ADN** | **ADR** | **RID** | **DOT BULK** | **DOT NON-BULK** | **IATA** | **IMDG** |
| **UN Number** | 3082 |
| **Shipping Name** | **Environmentally hazardous substance, liquid n.o.s** |
| **Hazard Class** | 9  |
| **Packing group** | III |
| **Environmental Hazards** | Yes |

**Section 15: Regulatory Information**

**US federal regulations**: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

|  |  |
| --- | --- |
| CERCLA Hazards Substance List (40 CFR 302.4) | Not listed |
| OSHA Specifically Regulated Substance (29 CFR 1910.1001-1050) | Not listed |
| SARA Hazard categories | Not regulated |
| Immediate Hazard: | Yes |
| Delayed Hazard: | No |
| Fire Hazard: | No |
| Pressure Hazard: | No |
| Reactivity Hazard: | No |
| SARA 302 Extremely hazardous substances | Not listed |
| SARA 304 Emergency release notification | Not regulated |
| SARA 311/312 Hazard Chemical | Not listed |
| SARA 313 (TRI reporting) | Not regulated |
| TSCA Section 12 (b) Export Notification (40 CFR 707, Subpt. D) | Not regulated |
|  |  |
| **Other federal regulations** |  |
| CAA Section 112 Hazardous Air Pollutant List | Not regulated |
| CAA Section 112 (r) Accidental Release Prevention (40 CFR 68.130) | Not regulated |
| Safe Drinking Water Act (SDWA) | Not regulated |
|  |  |
| **US State regulations** |  |
| US. Massachusetts RTK-Substance List | Not listed |
| US. New Jersey Worker and Community Right-to-Know Act | Not regulated |
| US. Pennsylvania Worker and Community Right-to-Know Law | Not listed |
| US. Rhode Island RTK | Not regulated |
| US. California Proposition 65 | Not listed |

**International Inventories**

|  |  |  |
| --- | --- | --- |
| **Country or region** | **Inventory name** | **On inventory (yes/no)** |
| Australia | AICS | Yes |
| Canada | DSL | Yes |
| Canada | NDSL | No |
| China | IECSC | Yes |
| Europe | EINECS | Yes |
| Europe | ELINCS | No |
| Japan | ENCS | No |
| Korea | ECL | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | PICCS | Yes |
| US and Puerto Rico | TSCA | Yes  |

**Section 16: Other Information**

**Revision Information**

Date of this version: May 15, 2022

**Declaration to Reader**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. O’Laughlin Corporation Limited, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.