



# SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Enviro Green Solve

**Uses:** Solvent Degreaser, Marker pen, Ink, Adhesive, remover, industrial use.

### COMPANY DETAILS :

**Company:** Enviro Chemicals (Aust.) Pty Ltd.  
(A.C.N : 094087493)

**Address:** 740-744 Woodville Road Fairfield East  
NSW 2165.

**Emergency PH:** (02) 9755 2012 (**Business hour**) or

**Poisons Information Centre Telephone: 13 11 26**



## 2. HAZARDS IDENTIFICATION

### STATEMENT OF HAZARDOUS NATURE

**THIS PRODUCT IS CLASSIFIED AS:** Xn, harmful.. Xi, irritating. N, dangerous to the environment. F, flammable. Hazardous according to the criteria of SWA. Dangerous good according to the Australian dangerous goods (ADG) code.

**RISK PHRASES:** R10, R36, R43, R65, R36/38, R50/53. Risk of serious damage to eyes. Irritating to eyes and skin. Harmful may cause lung damage if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment.

**SAFETY PHRASES:** S2, S16, S28, S46, S60, S61, S24/25, S37/39. keep out of reach of children.. in case of contact with eyes, rinse immediately with plenty of water and contact a doctor or poisons information centre. after contact with skin, wash immediately with plenty of water. wear suitable protective clothing. in case of insufficient ventilation, wear suitable respiratory equipment. avoid contact with skin and eyes. wear suitable gloves and eye/face protection. keep away from sources of ignition.

**SUSMP CLASSIFICATION:** None allocated.

**UN NUMBER:** 2319, Terpene hydrocarbons, N.O.S.

### GHS SIGNAL WORD: DANGER

#### HAZARD STATEMENT :

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H320: May cause eye irritation.

H410: Very toxic to aquatic life with long lasting effects.

H304: May be fatal if swallowed and enters airways.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

#### PREVENTION

P102: Keep out of reach of children.

P233: keep container tightly close.

P261: Avoid breathing fumes, mists, vapours or spray.

P280: wear protective gloves, protective clothing and eye or face protection.

P210: Keep away from heat, spark, open flames and hot surfaces.- No smoking.

P243: Take precautionary measures against static discharge.

P264: wash contacted areas thoroughly after handling.

#### RESPONSE

P331: Do NOT induce vomiting

P363: Wash contaminated clothing before reuse.

P303+P361+P353: if on skin(or hair): wash with plenty of soap and water. P304+p340: if inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+p351+p338: if in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+p313: if skin irritation occurs: get medical advice.

P391: collect spillage.

P362: take off contaminated clothing and wash before reuse.

P301+P310: if swallowed: Immediately call a POISON CENTRE or doctor.

P337+p313: if eye irritation persists: get medical advice.

P370+p378: In case of fire, use carbon dioxide, dry chemicals, foam, water fog. Normal foam, i.e. protein based foam that is not alcohol resistant, is the preferred medium for large fires.

#### STORAGE

P403+P235: Store in a well-ventilated place. Keep coll.

P402+P404: Store in a dry place. Store in a closed container

#### DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.



## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Identity          | Percentage | CAS No.       |
|----------------------------|------------|---------------|
| Limonene/Orange Oil        | < 20       | 5989-27-5     |
| secret                     | < 10       | Not Set       |
| Ethanol                    | < 60       | 64-17-5       |
| Non-ionic Surfactant Blend | < 10       | Non Hazardous |

## 4. FIRST AID MEASURES

|                         |  |
|-------------------------|--|
| <b>Swallowed:</b>       | Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice. |
| <b>Eye Exposure:</b>    | Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.                                     |
| <b>Skin Exposure:</b>   | Wash of with water. If skin irritation persists seek medical advice.   |
| <b>Inhalation:</b>      | Remove victim from exposure to fresh air. If feeling unwell seek medical advice.   |
| <b>Advice to Doctor</b> | Treat symptomatically based on individual reactions of patient and judgement of doctor.  |

## 5. FIRE FIGHTING MEASURES

Flame-proof equipment is necessary in all areas where this chemical is being used. Nearby equipment must be earthed.

**General Measures** Move fire exposed containers from fire area if it can be done without risk.  
**Flammability Conditions** Product is a flammable liquid. May form flammable vapour mixtures with air.

**Extinguishing Media** Extinguish with sand, earth, carbon dioxide, powder extinguisher. Do not use a water jet.

**Fire and Explosion Hazard:** Combustible. Vapours heavier than air. Formation of explosive mixtures possible with air. Keep away from sources of ignition.

**Hazardous Products of Combustion** Burning generates, CO, CO<sub>2</sub> and smoke. It is not an oxygen donor. Incompatibility with strong oxidizing agents.

**Special Fire:** Do NOT allow fire fighting water to reach waterways, drains or sewers.

**Fighting Instructions** Store fire fighting water for treatment.

**Personal Protective Equipment :** Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit.

**Flash Point** 43-49 DegC Closed Cup

**Upper Explosion Limit** 6.1 %

**Hazchem Code** 3Y

**Lower Explosion Limit** 0.7 %

**Auto Ignition Temperature** 273DegC



## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL RESPONSE PROCEDURE** SHUT OFF ALL POSSIBLE SOURCES OF IGNITION AND DO NOT SMOKE. AVOID ACCIDENTS, CLEAN UP IMMEDIATELY. INCREASE VENTILATION. AVOID WALKING THROUGH SPILLED PRODUCT AS IT IS SLIPPERY WHEN SPILLED. USE CLEAN, NON-SPARKING TOOLS AND EQUIPMENT.

**CLEAN UP PROCEDURES** SMALL SPILLS CAN BE WIPED UP; RAGS OR OTHER COMBUSTIBLE MATERIAL WET OR SOAKED IN LIMONENE MAY AUTOXIDISE, GENERATING HEAT AND IGNITING SPONTANEOUSLY. USE ABSORBENT (SOIL, SAND OR OTHER INERT MATERIAL) FOR LARGER SPILLS. WHEN SATURATED COLLECT MATERIAL, TRANSFER TO SUITABLE, LABELLED, DRY CHEMICAL-WASTE CONTAINERS AND DISPOSE OF PROMPTLY AS HAZARDOUS WASTE.

**CONTAINMENT** STOP LEAK IF SAFE TO DO SO. ISOLATE THE AREA.  
**DECONTAMINATION** SOAP (DETERGENT) AND WATER.

**ENVIRONMENTAL PRECAUTIONARY MEASURES** DO NOT LET PRODUCT REACH DRAINS OR WATERWAYS. IF PRODUCT DOES ENTER A WATERWAY, ADVISE THE ENVIRONMENTAL PROTECTION AUTHORITY OR YOUR LOCAL WASTE MANAGEMENT.

**EVACUATION CRITERIA** EVACUATE ALL UNNECESSARY PERSONNEL.

**PERSONAL PRECAUTIONARY MEASURES** PERSONNEL INVOLVED IN THE CLEAN UP SHOULD WEAR FULL PROTECTIVE CLOTHING AS LISTED IN SECTION 8.

## 7. HANDLING & STORAGE

**Handling** Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. Avoid prolonged or repeated exposure.

**Storage** Citrus Terpene can be stored at ambient temperature. Store the product tightly closed, protected from light, in a dry area and away from heat, flame and strong oxidizing agents. Ensure adequate air circulation and fume extraction in storage and working area avoiding the risk of spontaneous combustion. This product has a UN Classification of 2319 and a Dangerous Goods Class 3 (flammable) according to The Australian Code for the Transport of Dangerous Goods By Road and Rail

**Container** Store in original packaging as approved by manufacture



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                      |  |
|--------------------------------------|--|
| <b>GENERAL</b>                       | CITRUS TERPENE R8H - TWA = 30 PPM ( AIHA STANDART )  |
| <b>EXPOSURE LIMITS</b>               | NO DATA AVAILABLE  |
| <b>BIOLOGICAL LIMITS</b>             | NO INFORMATION AVAILABLE ON BIOLOGICAL LIMIT VALUES FOR THIS PRODUCT.  |
| <b>ENGINEERING MEASURES</b>          | A SYSTEM OF LOCAL AND/OR GENERAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURES AS LOW AS POSSIBLE. LOCAL EXHAUST VENTILATION IS GENERALLY PREFERRED BECAUSE IT CAN CONTROL THE EMISSIONS OF THE CONTAMINANT AT ITS SOURCE, PREVENTING DISPERSION OF IT INTO THE GENERAL WORK AREA. VAPOUR HEAVIER THAN AIR RPREVENT CONCENTRATION IN HOLLOWES AND SUMPS. DO NOT ENTER CONFINED SPACES WHERE VAPOUR MAY HAVE COLLECTED. |
| <b>PERSONAL PROTECTION EQUIPMENT</b> | RESPIRATOR: USE WITH LOCAL EXHAUST VENTILATION OR WHILE WEARING ORGANIC VAPOUR RESPIRATOR. (AS1715/1716). EYES: CHEMICAL GOGGLES TO PREVENT SPLASHING IN THE EYES (AS1336/1337). HANDS: ELBOW LENGTH IMPERVIOUS GLOVES (AS2161). CLOTHING: CHEMICAL-RESISTANT COVERALLS, SPLASH APRON AND SAFETY FOOTWEAR (AS3765/2210).   |
| <b>WORK HYGIENIC PRACTICES</b>       | CHANGE CONTAMINATED CLOTHING. APPLICATION OF SKIN-PROTECTIVE BARRIER CREAM RECOMMENDED. WASH HANDS AFTER WORKING WITH SUBSTANCE. ESTABLISH GOOD PERSONAL WASHING ROUTINES, PARTICULARLY BEFORE HANDLING FOODSTUFFS. SMOKING FORBIDDEN.   |

## 9. PHYSICAL & CHEMICAL PROPERTIES

|                                 |  |
|---------------------------------|--|
| <b>Physical state:</b>          | Liquid                                     |
| <b>Colour:</b>                  | Clear slight, yellowish                    |
| <b>Odour:</b>                   | slight Citrus                              |
| <b>pH:</b>                      | No data available                          |
| <b>Boiling point/range:</b>     | Approx: 170 – 178 deg. Celsius.            |
| <b>Melting point/range:</b>     | -74-96oC                                   |
| <b>Flash point:</b>             | 43-49oC                                    |
| <b>Vapour pressure:</b>         | 1mm Hg- at 20DegC.about 1.4 mmHg (@14DegC) |
| <b>Relative vapour density:</b> | 0.012 – at boiling point: 4.73 Air =1      |
| <b>Water solubility:</b>        | Practically insoluble                      |
| <b>Relative density:</b>        | 1.10                                       |

**NOTE:** Reactivity: Autoxidation facilitated by light and air. Photodegradability: Atmospheric half life = c.a. 0.884 to 0.64 hours Other Data: Chemical Oxygen Demand : 2,850 gO<sub>2</sub>/l or 3,280 gO<sub>2</sub>/kg Ozone depletion potential: Zero stratospheric



## 10. STABILITY & REACTIVITY

**GENERAL INFORMATION:** FLAMMABLE LIQUID. TO PREVENT OXIDATION, AVOID LONG-TERM EXPOSURE TO AIR. IF STORING PARTIALLY FILLED CONTAINER, FILL HEADSPACE WITH AN INERT GAS SUCH AS NITROGEN OR CARBON DIOXIDE.

**CHEMICAL STABILITY:** AUTOXIDATION FACILITATED BY LIGHT AND AIR. COMBUSTIBLE MATERIAL THAT HAS BEEN SOAKED WITH D- LIMONENE MAY SPONTANEOUSLY COMBUST. PEROXIDES FORMED BY OXIDATION MAY PRESENT AN EXPLOSION HAZARD IF THEY BECOME HIGHLY CONCENTRATED THROUGH DISTILLATION.

**CONDITIONS TO AVOID:** AVOID HEAT, SPARKS, FLAMES, DIRECT SUNLIGHT, MOISTURE, FREEZING, STATIC CHARGES, MECHANICAL SHOCK, HIGH TEMPERATURES AND OTHER HIGH ENERGY IGNITION SOURCES. ALSO AVOID ENCLOSED SPACES.

**MATERIALS TO AVOID:** STRONG OXIDIZING AGENTS, ACID CLAYS AND MINERAL ACIDS. HIGHLY EXOTHERMIC REACTION NOTED WHEN BLENDED APPROX. 50/50 WITH ALKYL BENZENE SULPHONIC ACID WITH POSSIBLE BOIL OVER DANGER SIMILAR REACTION NOT NOTED AT LOWER LEVELS. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES, HOT SURFACES.

**HAZARDOUS DECOMPOSITION PRODUCTS:** IF THE PRODUCT IS HEATED, IT EMITS ACRID SMOKE AND FUMES AS WELL AS CO AND CO<sub>2</sub>.

**HAZARDOUS POLYMERISATION:** NO DATA AVAILABLE .

## 11. TOXICOLOGICAL INFORMATION

**General Information:** Oral: 50 -150 mg/kg psycholeptic effect [RIFM, TDS]; 3500 mg/kg (mouse) : maximum no effect level [RIFMU, SLR]. Dermal: Moderate irritation [RIFM]. Full strength, 24 hr, under occlusion ( Rabbit ) [RIFM]. Eye: Irritant effects [RIFMU]. Full strength to conjunctival sac (Rabbit) [TDS]. Sub-Chronic Toxicity : Oral : 227-554-1385 mg/kg/day , 6 wk. (rat). Granular casts in the Kidneys of some male. Carcinogenicity : Oral: TDlo = 67 g/kg, 39 wk., intermittent administration (mouse): equivocal tumorigenic agent by RTECs criteria [RTEC]. TDlo = 4800 mg/kg, 8 wk., intermittent administration intraperitoneal (mouse): tumor(s) of lung(s), thorax and/or respiratory tract. 1 mg/kg/wk., 16 wk., intravenous or intraperitoneal (mouse): anticarcinogenic activity [SLR]. Reproductive Toxicity : Oral: TDlo = 3546 - 14178 mg/kg, administered days 7-12 of gestation (pregnant mouse). At dose of 3546 mg/kg, developmental abnormalities of the musculoskeletal system and physical effects on newborns; at dose of 14178 mg/kg, change in growth statistics (e.g. reduced weight gain) [RTEC].

**Eye/Irritant:** Irritant, may cause burning, redness, pain.  
**Ingestion:** Harmful if ingested, gastrointestinal irritation. Abdominal pain, nausea, vomiting, diarrhea, and dizziness.  
**Inhalation:** Irritant to respiratory tract, sore throat, coughing, shortness of breath, dizziness, and nausea.  
**Skin/Irritant:** Irritant, may occur temporary redness (sort of burning). Mild local irritation and sensitization. Intensive contact with the skin may cause dermatitis.  
**Carcinogen Category:** No Data Available



## 12. ECOLOGICAL INFORMATION

|                                  |   |
|----------------------------------|---|
| <b>Ecotoxicity</b>               | Fish: $0.1 < LC50 = 1 \text{ mg/L}$ Daphnia: $0.1 < EC50 = 1 \text{ mg/L}$ Algae: $0.1 < EC50 = 1 \text{ mg/L}$   |
| <b>Persistence/Degradability</b> | Citrus Terpene is a biodegradable solvent occurring in nature as the main component of citrus peel oil. 100% in 28 days.                                |
| <b>Mobility</b>                  | Not Available.  |
| <b>Environmental Fate</b>        | Do NOT let product reach waterways, drains and sewers. Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. |
| <b>Bioaccumulation Potential</b> | Risk of bioaccumulation in an aquatic species is high.  |
| <b>Environmental Impact</b>      | No Data Available   |

## 13. DISPOSAL CONSIDERATIONS

### Environmental precautions:

#### CAUTION:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.



## 14. TRANSPORT INFORMATION

Land Transport (Australia) ADG Code

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | TERPENE HYDROCARBONS, N.O.S. (D-LIMONENE) |
| <b>Class</b>                | 3 Flammable Liquids                       |
| <b>Subsidiary Risk(s)</b>   | No Data Available                         |
| <b>EPG</b>                  | 15 Liquids - Flammable                    |
| <b>UN Number</b>            | 2319                                      |
| <b>Hazchem</b>              | 3Y  |
| <b>Pack Group</b>           | III                                       |
| <b>Special Provision</b>    | No Data Available                         |

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** None allocated

**EPG** Not applicable

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).**

All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.





## 16. OTHER INFORMATION

Date of Preparation: 01/01/2023

### Key to Abbreviations & Acronyms Used in SDS:

|                   |  |
|-------------------|--|
| <                 | Less Than  |
| >                 | Greater Than   |
| AICS              | Australian Inventory of Chemical Substances  |
| CAS               | Chemical Abstracts Service (Registry Number)   |
| LC50              | LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.    |
| LD50              | LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals. |
| NOHSC             | National Occupational Health and Safety Commission.  |
| OECD              | Organisation for Economic Co-operation and Development.  |
| PEL               | Permissible Exposure Limit.  |
| STEL              | Short Term Exposure  |
| Limit TLV         | Threshold Limit Value  |
| TWA               | Time Weighted Average  |
| UN                | United Nations (Number)  |
| deg C (°C)        | Degrees  |
| Celsius g         | Gram   |
| g/cm <sup>3</sup> | Grams per cubic  |
| centimetre g/l    | Grams per litre  |
| Immiscible        | Liquids are insoluble in each other  |
| kg                | Kilogram   |
| kg/m <sup>3</sup> | Kilograms per cubic  |
| metre ltr         | Litre  |
| m <sup>3</sup>    | Cubic  |
| metre mg          | Milligram  |
| mg/24H            | Milligrams per 24 hours  |
| mg/kg             | Milligrams per kilogram  |
| mg/m <sup>3</sup> | Milligrams per cubic metre   |
| miscible          | Liquids form one homogeneous liquid  |
| ppm               | Parts per million  |
| wt                | Weight   |

Literature References: Supplies SDS

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION.

THE INFORMATION GIVEN IS DESIGNED ONLY AS GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION.

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**END OF SDS**