



1. COMPANY and PRODUCT IDENTIFICATION

1.1	Identification – Product Name:	ENVIRO PRINT CLEAN
1.2	Other means of identification	NA
	Synonym:	NA
1.3	Recommended Use Of The Chemical and Restrictions On Use:	Cleaning agent
1.4	Name, Address, And Telephone Number Of The Manufacturer, Or Other Responsible Party:	Clean Print Solutions 5-7 Maria St, Laverton North, Victoria 3026 Ph: +61 3 5783 2902 Mob: +61416 275 634
	Competent Person email address	NA
	24 Hour Emergency No.:	Australia Poisons Information Centre, 131 126,

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a clear, green liquid with pine and orange odor. Repeated exposure may cause skin dryness or cracking or minor irritation. The product is not flammable. Depending on the duration of over-exposure, breathing vapors may headache or dizziness, respiratory tract irritation. Thermal decomposition of this product may produce irritating vapors and toxic gases (e.g. carbon monoxide and carbon dioxide). Emergency responders must wear personal protective equipment (and have appropriate fire-extinguishing protection) suitable for the situation to which they are responding.

2.1	Classification Of Product CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA	
	Physical Hazards Summary	Not Classified
	Potential Health Hazard Summary	Skin Irritation, category 2 Eye Irritation, category 2 Skin Sensitisation, category 1
	Potential Ecological Effects Summary	Aquatic Toxicity (chronic), category 2
2.2	Label Elements OSHA/GHS	
	Signal Word	WARNING
	Hazard Statements	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 - Prevention	P103 Read label before use. P261 Avoid breathing vapours P264 Wash hands thoroughly after use P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves, and eye protection or face protection

Precautionary Statements - Response	P302+P352 P305+P351+P338 P333+P313 P337+P313 P362 P391	IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice If eye irritation persists: Get medical advice Take off contaminated clothing and wash before re-use. Collect spillage.
Precautionary statements - Storage	N/A	N/A
Precautionary Statements - Disposal	P501	Dispose of contents/container in accordance with all federal, state and local regulation
Hazard pictograms	  GHS07 Harmful GHS09 Environmental Hazard	

3. COMPOSITION and INFORMATION ON INGREDIENTS

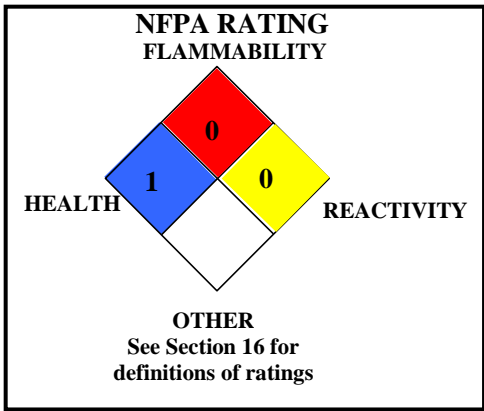
Chemical name	CAS Number	% w/w
Ethylene Glycol Monon Butyl ether	111-76-2	10-30%
D-Limonene	5989-27-5	<10%
Substances not deemed hazardous	N/A	To 100%

The manufacturer claims Trade Secret Information as defined in 29CFR1910.1200 Appendix E and 29CFR1910.1200(i). All hazards have been accounted for in this product's hazard classification.

4. FIRST-AID MEASURES

4.1	Description of Necessary Measures	
	Skin exposure:	If this product contaminates the skin, immediately begin decontamination with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim should seek immediate medical attention if any adverse exposure symptoms develop or irritation persists.
	Eye exposure:	If this product enters the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Seek medical attention immediately.
	Inhalation:	If this product is inhaled, remove victim to fresh air and place in a position comfortable for breathing. If necessary, use artificial respiration to support vital functions. Remove or cover gross contamination to avoid exposure to rescuers
	Ingestion:	If this product is swallowed, CALL POISON CENTER or PHYSICIAN FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING. Have victim rinse mouth with water, if conscious. Never induce vomiting or give a diluent (e.g., water) to someone who is unconscious, having convulsions, or unable to swallow. If contaminated individual is convulsing, maintain an open airway and obtain immediate medical attention.
4.2	Most Important Symptoms/Effects:	Immediate: Symptoms of skin and eye contact may include redness and irritation. Ingestion may cause stomach pains, cramps, and gastritis. Delayed: Prolonged or repeated skin overexposure to this product may cause dermatitis (dry, red skin).
4.3	Indication Of Immediate Medical Attention And Special Treatment Needed, If Necessary:	None known. TARGET ORGANS: Acute: Eyes and Skin
Victims of chemical exposure must be taken for medical attention if any adverse effects occur. Rescuers should be taken for medical attention if necessary. Take a copy of label and SDS to physician or health professional with victim.		

5. FIRE-FIGHTING MEASURES

	Flammable properties	Not classifiable as flammable													
		Flash Point °C (°F): > 200 °F (> 93.3 °C)													
		Autoignition Temperature °C (°F): Not evaluated													
		Flammable Limits (in air by volume, %): Not evaluated													
5.1	Suitable And Unsuitable Extinguishing Media:	<p>This material should not contribute to the intensity of a fire. Use extinguishing material suitable for ordinary combustibles.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Water spray</td> <td style="width: 33%;">YES</td> <td style="width: 33%;">Carbon dioxide</td> <td style="width: 33%;">YES</td> </tr> <tr> <td>Foam</td> <td>YES</td> <td>Dry chemical</td> <td>YES</td> </tr> <tr> <td>Halon</td> <td>YES</td> <td>Other</td> <td></td> </tr> </table>		Water spray	YES	Carbon dioxide	YES	Foam	YES	Dry chemical	YES	Halon	YES	Other	
Water spray	YES	Carbon dioxide	YES												
Foam	YES	Dry chemical	YES												
Halon	YES	Other													
5.2	Specific Hazards Arising From Chemical:	Non flammable. May evolve toxic gases (carbon/ nitrogen/ Sulphur oxides, hydrocarbons) when heated to decomposition													
5.3	Special Protective Equipment And Precautions For Fire-Fighters:	Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.													

6. ACCIDENTAL RELEASE MEASURES

6.1	Personal Precautions	Uncontrolled releases should be responded to only by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area and protect people.
	Protective equipment	Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS
	Emergency procedures	Eliminate all ignition sources. Stop leak if you can do so without risk.
6.2	Methods and Materials for Containment and Cleaning Up	If split (bulk), mop up area. CAUTION: Spill site may be slippery
6.3	Environmental precautions	Prevent product from entering drains and waterways

7. HANDLING and STORAGE

7.1	Precautions for Safe Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.
7.2	Conditions For Safe Storage	Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.
	Incompatibilities	Oxidizers, strong oxidizing acids.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

8.1	Control Parameters				
	CHEMICAL NAME	CAS #	EXPOSURE LIMITS IN AIR		
			TWA		STEL
			ppm	mg/m ³	ppm
					mg/m ³
	Ethanolamine	141-43-5	3	7.5	6
	2-Butoxyethanol (EGBE)	111-76-2	20	96.9	50
					242
	Ingredient	CAS #	Determinant	Sampling time	BEI
	2-Butoxyethanol (EGBE)	111-76-2	Butoxyacetic acid (BAA) in urine (with hydrolysis)	End of shift	200 mg/g creatinine
8.2	Appropriate Engineering Controls.		Use with adequate ventilation to ensure exposure levels are maintained below the limits provided in this Section or as low as reasonably achievable. Ensure eyewash/safety shower stations are available near areas where this product is used.		
8.3	Personal Protective Equipment Respiratory protection:		None needed under normal conditions of use. Use NIOSH approved respirators if ventilation is inadequate to control mists or vapor. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134), applicable U.S. State regulations, or the applicable local standards. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-face piece pressure/demand SCBA or a full-face piece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (29 CFR 1910.134-1998).		
	Eye protection:		Use approved safety goggles or safety glasses, as described in OSHA 29 CFR 1910.133. Splash goggles with a face shield may be needed if splash hazards exist.		
	Hand protection:		Wear chemical impervious gloves (e.g., Solvex™, Neoprene, Nitrile).		
	Body protection:		None normally needed. If needed, use body protection appropriate for task (e.g., Tyvek suit, rubber apron) to protect from splashes and sprays. Nomex coveralls are recommended for handling bulk product.		

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance	This product is a clear green liquid.		
Odor	Pine-like	Odor Threshold	Not evaluated
Melting Point °C (°F)	Not evaluated	pH	8.5
Initial Boiling Point °C (°F)	Not evaluated	Boiling Point Range °C (°F)	Not evaluated
Flash point	Not evaluated	Decomposition Temp °C (°F)	Not evaluated
Flammability	Not flammable	Evaporation Rate (n-butyl acetate = 1)	Not evaluated
Vapor Density (air = 1)	Not evaluated	Vapor Pressure mm Hg @ 20°C:	Not evaluated
Solubility (in water)	Soluble	Relative density (water = 1)	1.0
Viscosity	Not evaluated	Oil-Water Partition Coefficient	Not evaluated
Explosive limits	Not evaluated	Auto-ignition temp °C (°F)	Not evaluated
VOC	56 g/L	HAP	Not evaluated
How To Detect This Substance (Warning Properties):	Pine like odor.		

10. STABILITY and REACTIVITY

10.1	Reactivity	Not considered reactive.
10.2	Chemical Stability	Stable under normal use and storage.
10.3	Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4	Conditions to avoid	Avoid mixing with incompatible materials.
10.5	Incompatible Materials	Strong oxidizers, Strong acids.

10.6	Hazardous Decomposition Products	Thermal decomposition of this product may generate carbon monoxide and carbon dioxide.
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11. TOXICOLOGICAL INFORMATION

11.1 Toxicology Information

Note: This product has not been evaluated for its toxicity as a whole.

Component	Oral LD ₅₀ (mg/kg)	Dermal LD ₅₀ (mg/kg)	Inhalation LC ₅₀ (mg/m ³)	Skin Irritation	Serious eye damage
Proprietary blend of surfactants, fragrances and enzymes	470 (rat)	220 (rabbit)	No data available	YES	Irritation
Proprietary blend of solvents	No data available	No data available	No data available	YES	Irritation
Ethanolamine	1089 mg/kg (Rat)	1015 mg/kg (Rabbit)	No data available	YES	YES

11.2: Carcinogenicity (IARC, ACGIH, NTP, OSHA)

None of the components are listed as carcinogenic by IARC, ACGIH, NTP or OSHA

11.3: Reproductive toxicity:

None of the components of this product are listed as reproductive toxins.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.1 Ecological Information

Note: This product has not been evaluated for its ecologic impact as a whole.

Component	Toxicity to fish	Toxicity to daphnia	Bioaccumulation	Solubility	Biodegradability
Proprietary blend of surfactants, fragrances and enzymes	No data available	No data available	No data available	No data available	Readily biodegradable
Proprietary blend of solvents	No data available	No data available	Not expected	No data available	Not readily biodegradable
Ethanolamine	150 mg/L (LC50, 96 hr, carp)	65 mg/L (EC 50, 48 hr)	No data available	Soluble	Readily biodegradable

12.2	Persistence and Degradability	This product is toxic to aquatic life with long lasting effects.
12.3	Bioaccumulative Potential	This product is not expected to bioaccumulate
12.4	Mobility in Soil	No Information provided
12.5	Other Adverse Ecological Effects	This product may be toxic to aquatic life if large volumes of it are released into an aquatic environment.


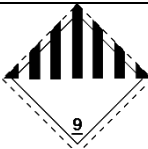
13. DISPOSAL CONSIDERATIONS

	Preparing Wastes of this Product for Disposal	Waste disposal must be in accordance with appropriate Federal, State, and local regulations or with local regulations.
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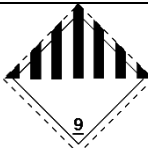
Disposal of Contaminated Packaging	Cleaned containers can be recycled or disposed of as non-contaminated waste, if authorized by your local authorities. Dispose of containers as required by local regulations.
U.S. EPA Waste Number	

14. TRANSPORT INFORMATION


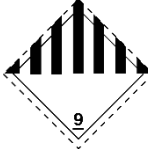
Dangerous Goods by Road

14.1	UN Number	3082
14.2	UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3	Transport Hazard Class(es)	9
	Transport label(s) required	 
14.4	Packing Group	III
14.5	Marine Pollutant	YES
	Limited Quantity (LQ)	5L

International Air Transport Association

14.6	UN Number	3082
	UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	Transport Hazard Class(es)	9
	Transport label(s) required	 
	Packing Group	III
	Marine Pollutant	YES

International Maritime Organization

14.7	UN Number	3082
	UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	Transport Hazard Class(es)	9
	Transport label(s) required	 
	Packing Group	III
	Marine Pollutant	YES

15. REGULATORY INFORMATION

Australian Inventory of Chemicals (AICS)	All components are listed or exempted.
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15.1 Safety, Health and Environmental Regulations Specific for the Product

Poisons Schedule (SUSMP): This product does not meet the criteria for scheduling in the Standard for the Uniform Scheduling of Medicines and Poisons.

16. OTHER INFORMATION

16.1	Original Preparation	11 April 2022
16.2	Revision History	V1.1 SDS printed 5 December 2018 V1.2 Updated hazard classification
16.3	Date for Revision	11 April 2027
16.3	Prepared by	Grayson Wagner CO Ltd NZ

DEFINITIONS OF TERMS

16.5	A large number of abbreviations and acronyms appear on a MSDS. Some of these which are commonly used include the following:	
	Section 2	<p>GHS: Global Harmonization System OSHA: U.S. Occupational Safety and Health Administration. CLP: Classification and Packaging WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity HSNO: Hazardous Substances and New Organisms Act 1996</p>
	Section 3	<p>CAS #: Chemical Abstract Service index number EINECS #: European Chemical Substances Information System index number</p>
	Section 5	<p>NFPA: Nation Fire Protection Association Health Hazard: 0 (material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); 1 (materials that on exposure under fire conditions could cause irritation or minor residual injury); 2 (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); 3 (materials that can on short exposure could cause serious temporary or residual injury); 4 (materials that under very short exposure could cause death or major residual injury). Flammability Hazard Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System". Flash Point: Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL: The lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL: The highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.</p>
	Section 8	<p>ACGIH - American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits. TLV - Threshold Limit Value - an airborne concentration of a substance which represents conditions under which it is generally believed that nearly all workers may be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average (TWA), the 15-minute Short Term Exposure Limit, and the instantaneous Ceiling Level (C). Skin absorption effects must also be considered PEL - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (<u>Federal Register</u>: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL which was vacated by Court Order. IDLH - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The DFG - MAK is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. NIOSH is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (OSHA). NIOSH issues exposure guidelines called Recommended Exposure Levels (RELs). When no exposure guidelines are established, an entry of NE (Not Established) is made for reference.</p>
	Section 11	<p>LD₅₀ : Lethal Dose (solids & liquids) which kills 50% of the exposed animals; LC₅₀ : Lethal Concentration (gases) which kills 50% of the exposed animals; ppm: Concentration expressed in parts of material per million parts of air or water; mg/m³ : Concentration expressed in weight of substance per volume of air; mg/kg: Quantity of material, by weight, administered to a test subject, based on their body weight in kg IARC - the International Agency for Research on Cancer; NTP - the National Toxicology Program, RTECS - the Registry of Toxic Effects of Chemical Substances, OSHA and CAL/OSHA. IARC and NTP rate chemicals on a scale of decreasing potential to cause human cancer with rankings from 1 to 4. Subrankings (2A, 2B, etc.) are also used. TDLo, the lowest dose to cause a symptom and TCLo the lowest concentration to cause a symptom; TDo, LDLo, and LDo, or TC, TCo, LCLo, and LCo, the lowest dose (or concentration) to cause lethal or toxic effects. BEI - Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV.</p>
	Section 12	<p>LC₅₀: The lowest concentration in water which kills 50% of the test subjects. EC₅₀: The Effect Concentration in water at which 50% of the test species is affected.</p>
	Section 13	US EPA Hazardous Waste Codes: refer to 40 CFR 261.20
	Section 14	<p>DOT: US Department of Transportation IATA: International Air Transport Association IMO: International Maritime Organization MARPOL: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 IBC Code : Merchant Shipping Code</p>
	Section 15	<p>RCRA: US Resource Conservation and Recovery Act SARA: US Superfund Amendments and Reauthorization Act PSM: US OSHA Process Safety Management CFATS: US Department of Homeland Security Chemical Facility Anti-terrorism Standard DSL: Canadian Domestic Substances List NDSL: Canadian Non-Domestic Substances List REACH: European Registration, Evaluation, Authorization and Restriction of Chemicals list TSCA: US Toxic Substances Control Act</p>