

Section 1 – Identification of the Material and Supplier

Sustainable Natural Products Pty Ltd.
13 Enterprise Crescent
Mcdougalls Hill NSW 2330

Phone: 0265955062

admin@ecoworkz.com.au

Chemical Nature: Water solution of ingredients
Trade Name: **MEDI+CLEAN**
Product Use: Germicidal, cleaner & sanitiser.
Creation Date: **October 2019**
This version issued: **October 2019** and is valid for 5 years from this date

Section 2 – Hazards Identification

Statement of Hazardous Nature:

This product is classified as: Not classified as hazardous according to the criteria of SWA.
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) code.

Risk Phrases: Not Hazardous – No criteria found.

Safety Phrases: S25. Avoid contact with eyes.

SUSDP Classification: None allocated

ADG Classification: None allocated. Not a Dangerous Good under the ADG code.

UN Number: None Allocated

Emergency Overview

Physical Description & Color: Clear pale honey coloured liquid.

Odour: Mild faint odour.

Major Health Hazards: No significant risk factors have been found for this product.

Potential Health Effects

INHALATION:

Short term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long Term Exposure: No data for health effects associated with long term inhalation.

SKIN CONTACT:

Short term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.

Long Term Exposure: No data for health effects associated with long term skin exposure.

EYE CONTACT:

Short term Exposure: This product is believed to be mildly irritating, to eyes, but is unlikely to cause anything more than mild transient discomfort.

Long Term Exposure: No data for health effects associated with long term eye exposure.

INGESTION:

Short term Exposure: Significant oral exposure is considered to be unlikely. However this product may be mildly irritating to mucous membranes but is unlikely to cause anything more than mild transient discomfort.

Long Term Exposure: No data for health effects associated with long term ingestion.

CARCINOGEN STATUS:

SWA: NO significant ingredient is classified as carcinogenic by SWA

NTP: NO significant ingredient is classified as carcinogenic by NTP

IARC: NO significant ingredient is classified as carcinogenic by IAR

Section 3 – Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA(mg/m ³)	STEL (mg/m ³)
Ethanol	64-17-5	>20<24	1880	not set
Essential Oils	various	<10	not set	not set
Other non hazardous ingredients	various	<10	not set	not set
Water	7732-18-5	to 100	not set	not set

MATERIAL SAFETY DATA SHEET

ISSUED BY: Sustainable Natural Products Pty Ltd.

POISONS INFORMATION CENTRE: 131126 from anywhere in Australia (0800 764 766 NZ)

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This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equaled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 – First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt contact a Poisons Information Centre or a doctor.

Skin Contact: Gently blot away excess liquid. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting, wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 – Fire Fighting Measures

Fire and Explosion Hazards: This product is classified as flammable. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Vapors from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

This product is likely to decompose only after heating to dryness, followed by further strong heating. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Suitable extinguishing media would be: carbon dioxide, dry chemical, foam, water fog.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: 35°C, Approx, TCC

Upper Flammability Limit: No data

Lower Flammability Limit: No data

Auto Ignition Temperature: No data

Flammability Class: Flammable

NOTE: Ethanol-water solutions containing not more than 24% ethanol are exempted from the provisions of the Australian Dangerous Goods Code (SP144) is not considered to be Dangerous Goods.

Section 6 – Accidental Release Measures

Accidental release: Minor spills do not normally need any special cleanup measures. In the event of a MAJOR spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum protective glasses and preferably goggles. If there is significant chance that vapors or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

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Section 7 – Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimize the quantities kept in the work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure these measures are followed. The measures detailed below under storage should be followed during the handling in order to minimize risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials as listed in Section 10.

Storage: Store packages of this product in a cool place. Make sure the containers of this product are kept tightly closed. Keep containers of this product in a well ventilated area. Make sure that the product does not come into contact with substances listed under “Incompatibilities” in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging – there may be further storage instructions on the label.

Section 8 – Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory Equipment: **AZ/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection : **AS1336**, Occupational Protective Footwear: **AS/NZ2210**.

SWA Exposure Limits	TWA(mg/m ³)	STEL (mg/m ³)
Ethanol	1880	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for BULK HANDLING or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapors and mists are minimised.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when product is being used.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: There is no specific recommendation for any particular protective material type.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Section 9 – Physical and Chemical Properties

Physical Description:	Clear pale honey coloured liquid
Odour:	Mild, faint odour
Boiling Point:	Approx 85-100°C at 100kPa
Freezing/Melting Point:	Below 0°C
Volatiles:	Approx 90%
Vapour:	No data
Vapour Density:	No data
Specific Gravity:	0.95 approx
Water Solubility:	Completely soluble in water
pH:	7
Volatility:	No data
Odour Threshold:	No data
Evaporation Rate:	No data
Coeff Oil/water Distribution:	No data
Auto ignition temp:	No data

Section 10 – Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if in doubt contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers firmly closed. Keep containers and surrounding areas well ventilated.

Incompatibilities: No particular incompatibilities.

Fire Decomposition: This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms carbon dioxide, and if incomplete, carbon monoxide. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas compounds. Most will have a foul odour. Carbon monoxide poisoning produces headaches, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerization reactions.

Section 11 – Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient	Risk Phrases
No Ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.	

Section 12 – Ecological Information

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems. Expected not to be an environmental hazard.

Section 13 – Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, consider landfill.

Section 14 – Transport Information

ADG CODE: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15 – Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16 – Other information

This MSDS contains only safety related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road & Rail (7 th Edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia formerly ASCC and NOHSC
CAS Number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency service especially firefighters.
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-PHASE	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN NUMBER	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCT SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

MATERIAL SAFETY DATA SHEET