



Surface Spray Protectant
Powered by Fresche Bioscience
GHS SAFETY DATA SHEET

1. Identification

Product Name:	Pure South Surface Spray Commercial Grade Disinfectant
Product Use:	Sanitiser and Protectant for hard surfaces
Manufacturer/Supplier	Botany Essentials Pty Ltd
Address	39 Cranwell Street Braybrook Victoria 3019 Australia
General Information	+61393179088
Emergency Contact Information.	Ms Celestine Hade +61402032342

2. Hazards Identification

GHS Classification:

Health	Environmental	Physical

GHS Label:

<Nil>	
Hazard Statements	Precautionary Statements
<NIL>	(P305+351+338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing. (P273) Avoid release to the environment (P501) Dispose of contents and containers in accordance with local, regional, national and international regulations.

3. Composition / Information on Ingredients

The ingredients in the product do not result in exposure to hazardous chemicals according to GHS.

As a Safety Data Sheet is not applicable, the following information about the ingredients may assist you.

INGREDIENT	CAS NUMBER	PROPORTION
Aqua		97.0%-98.0%
Octadecylaminodimethyltrimethoxysilylpropylammoniumchloride	27668-52-6	0.7-0.8%
Alkyl dimethyl benzyl ammonium chloride (C12-16)	66424-85-1	<0.2%
Didecyl dimethyl ammonium chloride	7173-51-5	<0.2%

4. First Aid Measures

Ingestion:	INDUCE VOMITING BY GIVING 2 GLASSES OF WATER AND PLACE FINGER DOWN THROAT. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION
Eye:	IN THE EVENT OF ACCIDENTAL CONTACT, PRODUCT IS SLIGHTLY IRRITATING TO THE EYES. IRRIGATE WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. GET MEDICAL ATTENTION.
Skin:	NO UNTOWARD EFFECTS. IF DESIRED FLUSH EXPOSED AREAS WITH COPIOUS AMOUNTS OF SOAP AND WATER.
Inhaled:	NO UNTOWARD EFFECTS. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, COMMENCE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.



Long Term Effects: UNKNOWN
Advice to Doctor: TREAT SYMPTOMATICALLY
First Aid Facilities: FLUSH WITH WATER IF IRRITATED

5. Fire Fighting Measures

General Comment: PRODUCT HAS LOW FLAMMABILITY AND WILL NOT PROPOGATE FLAME
Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL OR FOAM
Personal Protective Equipment: USE SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE CLOTHING.
Unusual Fire Fighting Procedures : NONE KNOWN
Hazards from Combustion Products: CARBON DIOXIDE, CARBON MONOXIDE, SILICON DIOXIDE. DOES NOT UNDERGO EXPLOSIVE DECOMPOSITION AND IS SHOCK STABLE. IT IS NOT AN OXYGEN DONOR.
Hazchem Code: NOT ASSIGNED.

6. Accidental Release Measures

Spills and Disposal ACTION TO BE TAKEN IF BULK MATERIAL IS RELEASED OR SPILLED:

VENTILATE AREA, PERSON PERFORMING CLEAN-UP SHOULD WEAR ADEQUATE PROTECTION EQUIPMENT. CONTAIN MATERIAL BY DIKING THE AREA AROUND THE SPILL. IF THE PRODUCT IS IN A SOLID FORM, SHOVEL DIRECTLY INTO RECOVERY DRUMS. IF THE PRODUCT IS A LIQUID, IT SHOULD BE PICKED UP USING A SUITABLY ABSORBANT MATERIAL, THEN SHOVELED TO RECOVERY DRUMS. IF THE MATERIAL IS RELEASED INTO THE ENVIRONMENT, THE USER SHOULD DETERMINE WHETHER THE SPILL SHOULD BE REPORTED TO THE APPROPRIATE LOCAL, STATE AND FEDERAL AUTHORITIES. REFER TO DISPOSAL SECTION 13.

Personal Protective Equipment: EYE PROTECTION (GOGGLES), GLOVES

7. Handling and Storage

Handling: AVOID CONTACT WITH EYES
Storage: STORE UPRIGHT IN A COOL PLACE (5°C-30°C) FOR OPTIMUM PRODUCT LIFE.
KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT FREEZE.

Safety Placarding (Australia) NONE

8. Exposure Controls and Personal Protection

National Exposure Standards: NOT ASSIGNED FOR THE MIXTURE
Engineering Controls: USE SUFFICIENT MECHANICAL (GENERAL) OR LOCAL EXHAUST
Respiratory Protection: IF NEEDED, USE A NIOSH APPROVED RESPIRATOR
Protective Equipment: GLOVES, APRON, GOGGLES

9. Physical and Chemical Properties

Appearance	CLEAR TO HAZY (OPAQUE) LIQUID
Odour	SIMILAR TO DETERGENT. NO FRAGRANCE ADDED.
Colour	CLEAR OR OPAQUE
pH	5.0-8.0
Vapour Pressure	NA
Vapour Density	>1
Boiling Point °C	100
Freezing Point °C	0
Melting Point	0
Solubility	SOLUBLE IN WATER
Specific Gravity	0.99-1.00
Flash Point	(CLOSED CUP) : >93°C
Flammable Limits in Air (%)	LOWER N/A, UPPER N/A
Ignition Temperature	N/A

10. Stability and Reactivity

Chemical Stability	STABLE, PRESENTS NO SIGNIFICANT REACTIVITY HAZARD, NOT PYROPHORIC NOR REACTIVE WITH WATER.
Conditions to Avoid:	HEAT, FREEZING, STRONG OXIDIZING AGENTS
Incompatible Materials:	OXIDIZING MATEIALS CAN CAUSE A REACTION,
Hazardous Polymerization:	WILL NOT OCCUR
Hazardous Decomposition:	CARBON MONOXIDE, CARBON DIOXIDE, SILICON DIOXIDE
NFPA Reactivity Code	0

11. Toxicological Information

Ingestion (acute):	NO UNTOWARD EFFECTS.
Eyes (acute):	CONTACT AT FULL STRENGTH WILL CAUSE MINOR EYE IRRITATION.
Skin (acute):	NO UNTOWARD EFFECTS. MAY CAUSE MINOR IRRITATION.
Inhalation (acute):	NO UNTOWARD EFFECTS. BOILING VAPOR IS MILDLY IRRITATING TO THE THROAT AND LUNGS. BREATHNG HIGH CONCENTRATIONS OF BOILING VAPOR WILL CAUSE NO ANESTHETIC EFFECTS.
Chronic Effects:	NO DATA AVAILABLE FOR CHRONIC OVEREXPOSURE. FINISHED PRODUCT IS NOT EXPECTED TO HAVE CHRONIC HEALTH EFFECTS.
Target Organs:	NO ADVERSE HEALTH EFACTS ON TARGET ORGANS EXPECTED FOR FINISHED PRODUCTS
Carcinogenicity:	FINISHED PRODUCT IS NOT EXPECTED TO BE CARCINOGENIC. NTP : NO IARC: NO OSHA: NO

12. Ecological Information

Environmental Protection	HYDROLYSIS DATA SHOWED THAT THE PRODUCT IS SOLUBLE BUT NOT STABLE IN WATER. RAPID DEGRADATION OF THE PRODUCT IN WATER FORMUS INSOLUBLE SILANE DEGRADATE WHICH IS NOT EXPECTED TO CONTAMINATE SURFACE OR GROUND WATER.
<i>n</i> -Octanol-water partition coefficient	Log K_{ow} < 3. Bioaccumulation unlikely



13. Disposal Considerations

Disposal Methods	DISPOSAL OF THIS PRODUCT SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL PROTECTION LEGISLATION.
US FEDERAL Title III-SARA	THE FOLLOWING DATA IS BEING SUPPLIED IN COMPLIANCE WITH TITLE III SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) PART 313 AND 40 CFR 372.
California Proposition 65:	CONTAINS NO MATERIALS KNOWN TO BE ON THE CALIFORNIA PROPOSITION 65 LIST.

14. Transport Information.

UN Number:	N/A
UN Proper Shipping Name:	
Class	
Subsidiary Risk:	NONE
Packing Group	
Special Precautions For Users:	KEEP CONTAINERS TIGHTLY CLOSED.
Load Placard (AUSTRALIA)	N/A
Hazchem Code:	N/A

15. Regulatory Information

Australia	REGULATED UNDER THE <i>INDUSTRIAL CHEMICALS (NOTIFICATION AND ASSESSMENT) ACT 1989</i> AND LISTED ON THE <i>AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES</i> . REGULATED UNDER THE <i>AGRICULTURAL AND VETERINARY CHEMICALS ACT 1998</i> WHEN APPLIED DIRECTLY TO ANIMALS OR APPLIED TO ANIMAL FODDER.
US Federal	THE PRODUCT DESCRIBED IN THIS SDS IS REGULATED UNDER THE US EPA. (US. EPA REGISTRATION 48937-1)
US State	CA PROP 65: THIS PRODUCT IS NOT SUBJECT TO WARNING LABELING UNDER CALIFORNIA PROPOSITION 65.
Other	

16. Other Information

Date of This Issue	01 st Sept. 2019
Date of Previous Issue:	NIL
Change Made:	NEW SDS.
References:	
Key Literature:	COMMERCIAL DATA US EPA REGISTRATION ELIGIBILITY DECISION FOR <i>TRIMETHOXYSILYL QUATERNARY AMMONIUM CHLORIDE COMPOUNDS</i> . 2007 HEALTH CANADA PROPOSED RE-EVALUATION DECISION <i>PRVD2010-09</i> VALUES FOR HUMAN AND ENVIRONMENTAL TOXICITY DERIVED ACCORDING TO SECTION 3.1.3.6 AND 4.1.3.5 OF THE GHS PURPLE BOOK.

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END OF SDS
