Section 1 - Identification of The Material and Supplier

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Chemical nature: Liquid Soil Wetting Agent
Trade Name: **Polywet Flush**
Product Use: Soil Wetting Agent
Creation Date: **March, 2021**
This version issued: **March, 2021** and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature
NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF SWA
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IATA OR IMDG/IMSBC CRITERIA
Risk Phrases: Not hazardous – no criteria
Safety Phrases: S36, S24/25. Wear suitable protective clothing. Avoid contact with skin and eyes
SUSMP Classification: None allocated.
ADG Classification: Not a Dangerous Good
Packaging Group: Not a Dangerous Good
UN Number: None allocated
Hazchem Code: None allocated
GHS Signal Word: None. Not Hazardous.

Emergency Overview

Physical Description & Colour: Clear, colourless viscous liquid.
Odour: No data. Expected to be nearly odourless
Major Health Hazards: No significant risk factors have been found for this product.

Section 3 - Composition/Information on Ingredients

Ingredients	Conc,%
Proprietary blend of non-hazardous ingredients	100

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

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 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.
Inhalation: No hazards which require special first aid measures but dust may cause irritation. Remove to fresh air.
Skin Contact: No hazards which require special first aid measures. May cause irritation to skin. Wash with soap and water
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: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.
Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.
Fire decomposition products from this product are not expected to be hazardous or harmful.

Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.
Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.
Flash point: Does not burn.
Upper Flammability Limit: Does not burn.
Lower Flammability Limit: Does not burn.
Autoignition temperature: Not applicable - does not burn.
Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental release: Minor spills do not normally need any special clean-up 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 a significant chance that vapours or mists are likely to build up in the clean-up 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 labelled 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.

Section 7 - Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of working day.
Storage: Store in the closed original container in a dry, cool, (0-35^{o} C) well-ventilated area out of direct sunlight.

Section 8 - Exposure Controls and Personal Protection

SWA Exposure Limits TWA (mg/m^3) STEL (mg/m^3) ADI (mg/Kg/day) NOEL (mg/Kg/day)
Exposure limits have not been set for any ingredients of this product. A TWA has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m3 for dusts or mists when limits have not otherwise been established. The 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 should not be exceeded for more than 15 minutes and should not be repeated for 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 ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. (ADI List 31ST Dec 2006)
Personal Protection
The following Australian Standards will provide general advice regarding safety clothing and equipment:
Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210
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 vapours and mists are minimised.
Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used. Do not wear contact lenses
Skin Protection: Skin contact should be minimised through use of gloves and long sleeves shirts.
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, dust safety masks are recommended where concentration of total dust is more than 10mg/m3.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Brown liquid
Odour:	Mild Odour
Freezing/Melting Point:	Not Applicable
Volatiles:	No Data
Water Solubility:	Soluble
pH:	7 approx.
Volatility:	No data.
Auto ignition temp:	Not applicable - does not burn.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid: Avoid moisture and temperature extremes
Incompatibilities: No particular Incompatibilities.
Fire Decomposition: Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. Thermal decomposition may produce small quantities of hydrogen cyanide (hydrocyanic acid), nitrogen oxides, carbon oxides from the polyacrylamide

Section 11 - Toxicological Information

Potential Health Effects

Inhalation: This product has low inhalation toxicity. Dust may cause irritation nose and respiratory tract.
Skin Contact: Dust may cause irritation to skin but is not a skin sensitiser
Eye Contact: This product is moderately irritating to the eyes.
Ingestion: Moderately toxic - No adverse effects expected, however, large amounts may cause nausea and vomiting
Carcinogen Status:
SWA: No significant ingredient is classified as carcinogenic by ASCC at stated concentration.
NTP: No significant ingredient is classified as carcinogenic by NTP at stated concentration
IARC: No significant ingredient is classified as carcinogenic by IARC at stated concentration

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

Ecotoxicity	Material is not toxic to the environment
Effects on Aquatic Organisms:	
	Fish Aquatic Toxicity is unlikely
Daphnids	Aquatic Toxicity is unlikely
Algae	Aquatic Toxicity is unlikely
Biodegradation	Unlikely to accumulate in the environment although polyacrylamide component is not readily biodegradable
Bioaccumulation	Low, does not bio accumulate
Other adverse effects	None

Section 13 - Disposal Considerations

Disposal: Containers should be emptied as completely as practical before disposal. If possible, recycle product and containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

Section 14 - Transport Information

UN Number: This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. 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 SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th 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 services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS 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 SDS 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 PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.
This SDS is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice” (December 2011)