



MSDS - MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY INFORMATION	
Commercial product name	GREEN Bug Cleaner (Sachet Concentrate)
Company name	Green Machine - National Workshop Equipment
Address	14 Devon Road, Pinetown, New Germany, 3610
Telephone	031 709 363
E-mail	stevem@nwgreen.co.za

2. COMPOSITION AND INGREDIENT INFORMATION	
Chemical nature	Water based blend of Alcohol ethoxylates and organic acids
Ingredients contributing to hazard	N/A

3. HAZARDS IDENTIFICATION	
Major hazards	Non hazardous
Hazards to humans	This product can cause serious irritation of the eyes and mild irritation to the skin.
Chemical product classification	Not classified as hazardous

4. FIRST AID MEASURES	
Inhalation	Remove to fresh air. Get medical attention if symptoms occur
Ingestion	Give casualty plenty of water to drink. Do NOT induce vomiting. Seek medical assistance immediately so that symptomatic treatment may be administered
Skin	Wash affected area with soap and plenty of running water. Get medical attention if symptoms occur
Eyes	Wash eyes with plenty of running water for at least 15 minutes. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES	
Suitable means of extinction	CO2, dry chemical powder, foam and water mist
Specific methods	non-flammable product
Special fire fighter protection equipment	Wear suitable body protection equipment and autonomous respiratory device for protection against dangerous decomposition products possibly from packaging
Decomposition products	N/A

6. CONTROL MEASURES IN CASE OF ACCIDENTAL RELEASE	
Individual precautions	Although this is not a hazardous product, contact with the body for long periods of time must be avoided
Environmental precautions	This product does not pose any risks to the environment. Nevertheless, as good practice, it must be prevented from reaching rivers, sewers and water springs because it is water miscible and separating it from water is difficult
cleaning methods	Remove excess product into a closed container. Do not dispose of this product as common waste. Wash spillage area with water. Prevent contaminated waters from reaching water springs or waterways

7. HANDLING AND STORAGE	
Handling	Avoid inhalation of vapour or mist, do not swallow, do not get in eyes. It must be handled with the same care as other chemicals. It is recommended to wear PPG at all times while handling this product. PPG includes safety goggles, waterproof gloves and safety boots
Storage	Storing this product does not require special care. As with any other chemical, any drums containing this product must be protected from the weather. Store in a dry, well-ventilated location. Bulk storage does not require any special care either

8. EXPOSURE CONTROL AND PERSONAL PROTECTION	
Respiratory protection	Use respiratory protection unless adequate local ventilation is provided.
Eye protection	Good chemical product handling practice recommends wearing safety goggles
Skin and body protection	Contact with the skin must be minimised by wearing PVC gloves and protective clothing
Engineering control measures	Handle in a well-ventilated location. Keep the workplace clean and all electrical installations in good working order

9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical state	Liquid
Colour	Blue
Odour	Characteristic
Specific Gravity as 25 degrees Celsius	1.0
Specific temperatures or temperature bands when physical state changes occur	
Boiling point	>100
Flash point	oC N.A.
pH	6.0-8.0
Vapour density	N.A.
Vapour pressure	N.A.

10. STABILITY AND REACTIVITY	
Specific conditions	
Instability	This product is stable under normal storage conditions
Hazardous reactions	No spontaneous or uncontrolled polymerisation of this product occurs, can react with strong oxidising agents.
Hazardous decomposition products	None known
Incompatibilities	No special precautions

11. TOXICOLOGICAL INFORMATION	
Information as per the different forms of exposure	
Acute toxicity	
Oral	Calculated toxicity estimate : > 2000 mg/kg This product does not cause irritation of the oral or gastric mucosa. Ingestion may cause some discomfort and nausea. Check how much product was ingested and inform the doctor
Mucosa	Moderate irritant Contact with this product may cause local, temporary irritation
Dermal	Irritant. Continuous and intently repetitive contact of this product with the skin may cause localised sensitiveness in very sensitive individuals

12. ENVIRONMENTAL CONSIDERATIONS	
Environmental behaviour	This product is classified as readily bio-degradable
Effects and impacts of this product	No environmental damage is expected from spillage of this product. Nevertheless, it must be prevented from reaching rivers, and other waterways. Ground mobility of this product is very low and its biodegradability is also good

13. TREATMENT AND DISPOSAL CONSIDERATIONS	
Treatment and disposal methods	Dispose of contaminated material as stated by local legislation. Vessels, tanks and any other containers that have been in contact with this product must be washed with water

14. TRANSPORT INFORMATION	
Local and international regulations	Product not classified by the UN. Not regulated as a dangerous good. No special precautions are necessary for transport in cans. Keep cans away from the weather

15. REGULATORY INFORMATION	
Chemical nature	Water based blend of Alcohol ethoxylates and organic acids
Symbols	No symbol required R22, R41, R38, R43
Safety phrases	

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