

# Material Safety Data Sheet

Date: June 2017

Version:2017-06

### 1. Identification of the substance / mixture and of the supplier

**Product Name:** Hygrobuff 4

**Identification:** Agricultural Buffer

**Recommended use:** Buffer, only use as directed

**Details of Supplier:**


Hygrotech Properties (Pty) Ltd, 1 Gerard Braak street, Pyramid, Pretoria, 0120

**Emergency Telephone numbers:**

Griffon Poison Information Centre: 082 446 8946

Hygrotech Head Office: 012 545 8000 (o/h)

### 2. Hazard identification

Physical/chemical hazards	Slight irritation to skin and eyes on contact, harmful if swallowed
Label Elements	
Signal Word	Warning
Hazardous statement	Causes skin irritation

### 3. Composition/information on ingredients

Substance/mixture:

Chemical identity	CAS no,	%	R-phrases
Acetic acid	64-19-7	75	R20/21/22

### 4. First Aid measures

Inhalation	Allow the patient to rest in a well-ventilated area. If necessary use artificial respiration
Ingestion	If this product is swallowed, CALL A PHYSICIAN OR POISON CONTROL

	CENTRE FOR MOST CURRENT INFORMATION. <b>Do not induce vomiting.</b> The patient should drink milk or large quantities of water.
Skin contact	Decontaminate the affected area with running water. Minimum recommended flushing time is 15 Minutes, especially if an adverse skin reaction occurs.
Eye contact	IMMEDIATELY flush with running water for at least 15 minutes, keep eyelids open. COLD water must be used
Additional information	Take a copy of the label and SDS to Physician or health professional with victim

#### 5. Fire-fighting measures

Suitable extinguishing media	Non Flammable. Water spray, carbon dioxide, foam, dry chemicals, halon and any other ABS Class
Hazards arising from the chemical	When involved in a fire and exposed to extremely high temperatures, the components of this product will decompose to produce irritating vapours and toxic gasses (eg Acetic acid carbon dioxide, nitrogen)
Special protective equipment	Fire responders should wear eye protection. Structural fire fighters must wear self-contained breathing apparatus and full protective equipment. If possible prevent runoff water from entering storm drain bodies of water or other environmentally sensitive areas

#### 6. Accidental release measures

Personal precaution	In case of a release, clear the affected area and protect people. Appropriately trained personnel, in proper personal protective equipment, using pre-planned procedures, should respond to uncontrolled releases
Environmental precaution	Prevent contamination of environmentally sensitive areas
Containment and clean-up	For small spills: gloves, safety glasses and appropriate body protection For large spills: Avoid direct run-off into surface waters. Spillage or uncontrolled discharges into water courses must be alerted to Department of Water Affairs

#### 7. Handling and storage

Safe handling	Avoid getting the product on yourself. Wash thoroughly after handling this material. Do not eat, drink, smoke or apply cosmetics while handling this product. Use in well ventilated area. Avoid metal containers.
Safe storage	Open container slowly on a stable surface. Re-lease any pressure build-up from the container before totally opening the lid. All containers containing this material must be clearly labelled. Empty containers should be handled with care. Store containers in a cool dry location, away from direct sunlight and sources of intense heat, or where freezing is

	possible. Store away from incompatible materials (see section 10) Material should be stored in secondary containers or dike area. Keep containers tightly closed when not in use. Inspect all incoming containers before storage to ensure that containers are properly labelled and are not damaged
--	---

8. Exposure controls/personal protection	
Occupational exposure limits	-
Engineering controls	Use with adequate ventilation to prevent inhalation of spray or mist. All operations should be directed at minimising the generation of aerosols, sprays or mist. Eyewash stations and safety showers should be near areas where this product is used or sprayed
Individual protection measures	Hand: wear gloves for routine industrial use Eye: splash goggles Skin: Use body protection appropriate for the task at hand

9. Physical and chemical properties	
Appearance	Colourless liquid
Odour	Slight acetic odour
pH(as is)	5
Relative density	1.14 g/cm <sup>3</sup>
Solubility	Soluble in water
Octanol/water partition coefficient:	This product is much more soluble in water


10. Stability and reactivity	
Reactivity	
Chemical stability	This product is stable
Conditions to avoid	None
Incompatible materials	None
Hazardous decomposition products	Acetic acid carbon dioxide, nitrogen

11. Toxicology information	
Skin irritation	Not available
Sensitization	Not available
Acute toxicity	Not available

12. Ecological information	
Eco toxicity : Not available	

13. Disposal information	
Disposal methods	Rinse empty container 3 times with a volume of water equal to one tenth of the volume of the container and or to the spray tank

Disposal of packaging	Destroy the container by perforation and flattening, before disposal
-----------------------	--

14. Transport information	
UN No.	UN2790
UN proper shipping name	Acetic acid, solution
Transport hazardous class	8
Packing group	III
Environmental hazard	No
Trem card no.	2015-12-15
15. Regulatory information	
Hazard symbol	
Classification:	Causes skin irritation
Risk phrase	R20: Harmful by inhalation R21: Harmful in contact with skin R22: Harmful if swallowed
Safety phrase	S2: Keep out of reach of children S7: Keep container tightly closed S24: Avoid contact with skin S25: Avoid contact with eyes S29: Do not empty into drains S46: If swallowed, seek medical advice immediately and show the container or label
16. Other information	
Date of issue	June 2017
Date of previous issue	December 2014
Version	201702
Prepared by	SM Louw

**Notice to the reader**

*To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist*