

# PROTANK® LIQUID CLEANER

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** PROTANK® LIQUID CLEANER  
**Other identifier:** Agricultural chemical tank cleaner  
**Recommended use:** Disinfectant  
**Restrictions on use:** Agriculture

**Supplier:** Winfield Solutions Registration Holdings (Pty) Ltd.  
 Co Reg No 2015/312008/07  
 PO Box 10413  
 Aston Manor, 1630, South Africa  
 (011) 3962233  
 (011) 3964666  
[www.villacrop.co.za](http://www.villacrop.co.za)

**Telephone:**  
**Fax:**  
**Website:**

**Distributor:** Villa Crop Protection (Pty) Ltd.  
 PO Box 10413  
 Aston Manor, 1630, South Africa  
 (011) 3962233  
 (011) 3964666  
[www.villacrop.co.za](http://www.villacrop.co.za)

**Telephone:**  
**Fax:**  
**Website:**

**Emergency telephone numbers:**  
**24 Hr Transport / Spill emergency no:**  
 EnviroSure. +27 31 205 4918  
 (Hazcall24) +27 86 044 4411  
 (Client: Villa Crop Protection)  
 Griffon Poison Information Centre +27 82 446 8946  
 (Client: Villa Crop Protection)  
**Poisoning Emergency telephone numbers:**  
 Griffon Poison Information Centre +27 82 446 8946  
 Poisons Information Centre +27 861 555 777  
**Villa Crop Protection Emergency number:**  
**National Safety, Health and Environmental Manager:**  
 +27 63 698 0668

None known.

**Human health effects:**

Causes serious eye damage.

**Label elements:**



**Signal word:** Danger

**Hazard statements:**

H302: Harmful if swallowed.  
 H312: Harmful in contact with skin.  
 H318: Causes serious eye damage.  
 H335: May cause respiratory irritation.

**Precautionary statements:**

P261: Avoid breathing mist, vapours and spray.  
 P264: Wash skin and eyes thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P280: Wear impervious rubber gloves and chemical safety goggles.  
 P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTRE.  
 P362/364: Take off contaminated clothing and wash it before reuse.  
 P403/233: Store in a well-ventilated place. Keep container tightly closed.

**Special labelling of certain mixtures:**

None known.

**Other hazards:**

None known.

**Toxicity:**

Classification according to GHS: Category 4  
 Classification according to WHO: Not classified  
 Classification according to GPIC: Not classified

## 2. HAZARDS IDENTIFICATION

UN GHS, Regulation EC 1272/2008 [EU-GHS/CLP] EU & SANS 10234:2008		
Hazard classes	Hazard categories	H-statements
<b>Health</b>		
Oral	Acute Tox. 4	H302
Dermal	Acute Tox. 4	H312
Eye	Eye Dam. 1	H318
Specific Target Organ Toxicity – Single Exposure	STOT SE 3	H335

**The most important adverse effects:**  
**Physiochemical effects:**

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

**Composition:**

Chemical Name	CAS	Conc. (m/v %)	Classification EC 1272/2008
Proprietary mixture	N/A	>95%	
Isopropanol	67-63-0	<1.0%	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3

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			(H336)
2-Butoxyethanol	111-76-2	<1.25%	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H332)
Diethanolamine	111-42-2	<0.2%	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT RE 2 (H373)

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use carbon dioxide, dry chemical, alcohol foam or water spray.

**Unsuitable Extinguishing Media:** High volume water jet. Use a water jet only to cool heated containers.

**Specific hazards:** Thermal breakdown of this product during fire or very high heat conditions may produce carbon oxides and traces of incompletely burned carbon compounds, nitrogen oxides, ammonia, sodium oxides, sulfur compounds, and peroxides.

**Special Fire Fighting Procedures:** Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Do not use high volume water jet, due to contamination risk. Do not scatter the burning material. Water can be used to cool unaffected containers but must be contained for later disposal. Avoid pollution of waterways by run-off from the site.

**Personal protective equipment:** Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective gear.

## 4. FIRST AID MEASURES

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Consult a doctor.

**Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation persists or call a poison control centre for treatment advice.

**Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.

**Eyes:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention.**

**Ingestion:** Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**Anticipated acute effects:**

Harmful if swallowed.

Harmful in contact with skin.

Causes serious eye damage.

May cause respiratory irritation.

**Anticipated delayed effects:** None known.

**Most important symptoms/effects:** See section 11.

**Advice to physician:** Treat symptomatically and supportively. No specific antidote known.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with eyes and skin. Do not breathe in spray mist. Ventilate area of spill or leak, especially in contained areas.

**Protective equipment:** Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

**Emergency procedures:** Alert firefighting personnel, evacuate unprotected personnel and animals.

**Environmental Precautions:** Prevent spilled product from entering sewers, waterways or ground water.

**Methods and Materials for Containment:** Contain spilled product by diking area with sand or earth.

**Methods and Materials for Clean-up:** Cover contained spill with an inert absorbent material such as sand, vermiculite, earth or other appropriate material. Vacuum, scoop, or sweep up material and place the material into a clean, dry, sealable container. Label containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spilled material. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. See section 13 for disposal considerations.

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## 7. HANDLING AND STORAGE

### Handling:

**Precautions for safe handling:** Harmful if swallowed. Avoid contact with skin and eyes. Ensure adequate ventilation during handling and use. Do not handle broken packages without protective equipment. Immediately clean up spills that occur during handling. Keep containers closed when not in use. In the case of contact with the product refer to First Aid Measures – Section 4.

**General occupational hygiene:** Practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics. Worker should shower at the end of each workday. Launder all clothing before it is re-used.

### Storage:

**Conditions for safe storage:** Keep under lock and key and out of reach of unauthorised persons, children and animals. Store in its original, labelled container, tightly closed, in an isolated, dry, cool and well-ventilated area. Avoid excess heat. Not to be stored next to foodstuffs, feed and water supplies. Avoid cross contamination with other pesticides and fertilisers.

**Incompatible substances and mixtures:** Refer to product label.

**Packaging material:** Plastic containers.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Permissible concentration

Components	Exposure limits	Type of exposure limit	Source
Isopropanol	980 mg/m <sup>3</sup>	TWA	OSHA PEL
2-Butoxyethanol (EGBE)	120 mg/m <sup>3</sup>	TWA OEL-RL	OHSA, 1993
Diethanolamine	15 mg/m <sup>3</sup>	TWA OEL-RL	OHSA, 1993

### Engineering Controls:

It is essential to provide adequate ventilation. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OELs or other specified exposure limits. Local exhaust ventilation is preferred. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.

### Personal Protective Equipment:

**Respiratory Protection:** For most well-ventilated conditions, no respiratory protection should be needed. If used in a poorly ventilated area (airborne concentrations

exceed exposure limits), use a NIOSH approved air-purifying respirator.

**Hand Protection:** The use of chemically protective impervious gloves is recommended to prevent against skin contact.

**Eye Protection:** Use chemical safety goggles or a face shield to prevent against eye contact. Contact lenses are not protective eye devices.

**Skin and Body Protection:** Employee must wear appropriate protective impervious clothing; Rubber boots, hat and equipment to prevent repeated or prolonged skin contact with this substance. Do not wear leather clothing.

**Emergency eyewash:** Where there is any possibility that an employee's eyes may be exposed to this substance; the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** A clear to slightly hay yellow liquid.

**Odour:** Fatty odour.

**pH (1% aqueous dilution):** 10.75 – 12.50

**Melting point:** Not determined.

**Freezing Point:** Not determined.

**Boiling Point:** Not determined.

**Flash Point:** > 93 °C.

**Flammability:** Not flammable.

**Upper/lower explosion limits:** Not determined.

**Vapour Pressure (mm Hg):** Not determined.

**Relative Vapour Density:** Not determined.

**Specific gravity:** 1.090

**Solubility:** Miscible in water.

**n-octanol/water partition coefficient:** Not determined.

**Auto-ignition temperature:** Not determined.

**Decomposition temperature:** Not determined.

**Viscosity:** 50 – 300 cps.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** The product is stable for two years at ambient temperature and pressure, under normal storage and handling conditions. Avoid storage under extreme temperatures and conditions. Store below 50 °C, preferably below 30 °C, and not for prolonged periods in direct sunlight.

**Reactivity:** None known.

**Possibility of Hazardous Reactions:** Do not use with alkali-sensitive metals, such as aluminium, because flammable hydrogen gas may be released.

**Conditions to Avoid:** Extreme heat or exposure to flames and contact with incompatible materials.

**Incompatible Materials:** Strong oxidizing agents, halogens, bleach, acids and nitrosating agents.

**Hazardous Decomposition Products:** Thermal breakdown of this product during fire or very high heat conditions may produce carbon oxides and traces of incompletely burned carbon compounds, nitrogen oxides,

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ammonia, sodium oxides, sulfur compounds, and peroxides.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY:

Calculated according to GHS:

Oral LD<sub>50</sub> > 300 mg/kg

Dermal LD<sub>50</sub> > 1000 mg/kg

**Skin Irritation:** Not a skin irritant according to GHS calculations.

**Eye Damage:** Causes severe eye damage.

**Skin Sensitization:** Product is not a skin sensitizer according to GHS calculations.

**Respiratory Sensitization:** Product is not a respiratory sensitizer according to GHS calculations.

**Reproductive cell mutagenicity:** Not available.

**Carcinogenicity:** Not available.

**Reproductive toxicity:** Not available.

**Specific target organ toxicity – single exposure:** May cause respiratory irritation.

**Specific target organ toxicity – repeated exposure:** Not available.

**Aspiration hazard:** Not available

### POTENTIAL ADVERSE EFFECTS:

**Inhalation:** Product not expected to be an inhalation hazard. Inhaling concentrated vapours may be harmful and may cause respiratory tract irritation. Overexposure by inhalation may cause headache, nausea, weakness, light-headedness, and symptoms of central nervous system depression.

**Skin contact:** May cause moderate irritation to skin including burns. May be harmful if absorbed through the skin.

**Eye contact:** Causes severe eye irritation and may cause burns and other irreversible damage.

**Ingestion:** Swallowing may cause burning pain in the mouth, throat, and abdomen and coughing and constriction of the throat, followed by nausea, vomiting and diarrhoea.

## 12. ECOLOGICAL INFORMATION

This product's effect on the aquatic environment is yet to be determined.

### ECOTOXICITY DATA:

#### Fish:

Not determined.

#### Daphnia:

Not determined.

#### Algae:

Not determined.

#### Birds:

Not determined.

#### Bees:

Not determined.

#### Worms:

Not determined.

**Plants:** Not determined.

### ENVIRONMENTAL EFFECTS:

Not determined.

**Persistence and degradability:** Not determined.

**Bio-accumulative Potential:** Not determined.

**Mobility in soil:** Not determined.

**Other adverse effects:** Not determined.

## 13. DISPOSAL CONSIDERATIONS

**Waste:** Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product cannot be reused or re-processed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal. The product may be taken to a registered waste disposal site or incineration plant.

**Container:** Emptied containers retain product residues. Do not re-use the empty container for any other purpose. Triple rinse empty containers by inverting the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three times with a volume of water equal to a third of that of the container. Add the rinsing's to the contents of the spray tank before destroying the container in the prescribed manner. Destroy the container by perforating and flattening and dispose of through an approved waste dump site, incineration plant or recycling company. Observe all labelled safeguards until container is destroyed.

## 14. TRANSPORT INFORMATION

**UN Number:** Not regulated.

Class: 9

Packaging group: III

Not classed i.e. considered non-hazardous material according to UN Orange Book and international transport codes e.g. RID (rail), ADR (road) and IMDG (sea).

**Special/Environmental Precautions:** Wedge drums tightly to avoid movement.

**Transport in bulk** (according to MARPOL 73/78, Annex II and the IBC code): Not available.

## 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:



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OHSA 1993 Regulations for Hazardous Chemical Substances.

**Relevant information regarding restrictions:** None.

**EU regulation:** Regulation EC1272/2008 (EU-GHS/CLP)

**Other national regulations:** None.

**Chemical Safety Assessment carried out?** No

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### 16. OTHER INFORMATION

**Packaging:** Packed in 50, 100, 200, 250 and 500 ml, 1, 5, 10, 20, 25 and 50 litres plastic containers, labelled according to South African regulations and guidelines.

**Additional H statements (formulants):**

**H225:** Highly flammable liquid and vapour.

**H319:** Causes serious eye irritation.

**H315:** Causes skin irritation.

**H319:** Causes serious eye irritation.

**H373:** May cause damage to organs through prolonged or repeated exposure.

**Disclaimer:** The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

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### END OF DOCUMENT

**Compiled:** June 2018

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For detailed information on revisions, contact the Registration holder.

**PROTANK®** is a registered trademark of Winfield Solutions, LLC.