

# CLASS ACT® NG

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Product Name:** CLASS ACT® NG  
**Other identifier:** Ammonium sulphate  
**Recommended use:** Adjuvant  
**Restrictions on use:** Agriculture  
**Registration Holder:** Winfield Solutions Registration Holdings (Pty) Ltd.  
 Co Reg No 2015/312008/07  
 PO Box 10413  
 Aston Manor, 1630, South Africa  
**Telephone:** (011) 3962233  
**Fax:** (011) 3964666  
**Website:** [www.villacrop.co.za](http://www.villacrop.co.za)  
**Distributor:** Villa Crop Protection (Pty) Ltd.  
 PO Box 10413  
 Aston Manor, 1630, South Africa  
**Telephone:** (011) 3962233  
**Fax:** (011) 3964666  
**Website:** [www.villacrop.co.za](http://www.villacrop.co.za)

**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

## 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>		
Inhalation	Acute Inhalation 5	H333
Eye irritation	Eye Irr. 2B	H320

**The most important adverse effects:**  
**Physiochemical effects:**  
 None known  
**Human health effects:**  
 May be harmful if inhaled. Causes eye irritation.  
**Signal word:** Warning  
**Hazard statements:**  
 H333: May be harmful if inhaled.

H320: Causes eye irritation.

### Precautionary statements:

P264: Wash skin and eyes thoroughly after handling.  
 P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.  
 P337/313: If eye irritation persists: Get medical advice.

### Special labelling of certain mixtures:

None known.

### Other hazards:

None known.

### Toxicity:

Classification according to GHS: Category 5  
 Classification according to WHO: Category 3

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

### Composition:

Chemical Name	CAS	Conc. (% m/v)	Classification EC 1272/2008
Ammonium sulphate	7783-20-2	30 – 40%	Acute inhalation 5 (H333)
Alkyl polyglycoside	68515-73-1	1 – 5	Eye Irr. 2B (H320)

## 4. FIRST AID MEASURES

Remove victim from the area of exposure. Wash off remaining material with plenty of water.

**Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.

**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.

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

**Skin:** Remove contaminated clothing and wash before re-using. Wash exposed skin with soap and water. Seek medical attention if skin becomes irritated.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use dry chemical powder for small fires and water fog or foam for large fires.

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

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**Specific Hazards:** Toxic gases such as nitrogen oxides and ammonia may be formed in a fire situation. Carbon monoxide and other asphyxiates may form.

**Special Fire Fighting Procedures:** Isolate the fire area and evacuate all personnel downwind of the fire. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Water can be used to cool unaffected containers but must be contained for later disposal. Dike area to prevent run-off and contamination of water sources. Dispose of fire control water later.

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

**Conditions for safe storage:** Store in its original container in dry, cool, well-ventilated area. Not to be stored next to foodstuffs, feed and incompatible substances. Protect packaging from physical damage. Protect from exposure to fire. Keep out of reach of children, uninformed persons and animals. Do not contaminate other pesticides and fertilizers.

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

**Packaging material:** Plastic containers.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid contact with eyes.

**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:** Keep upwind of spilled area.

**Environmental Precautions:** Keep 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 for disposal. 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.

### 7. HANDLING AND STORAGE

#### Handling:

**Precautions for safe handling:** Avoid contact with eyes. Ensure adequate ventilation during handling and use. Immediately clean up spills that occur during handling. Keep containers closed when not in use. In the case of eye 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. Workers should shower at the end of each workday. Launder all clothing before it is re-used again.

#### Storage:

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Permissible concentration:

No components have exposure guidelines.

#### Engineering Controls:

**Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

#### Personal Protective Equipment:

**Respiratory Protection:** For most well-ventilated conditions, no respiratory protection should be needed. If used in a poorly ventilated area, use a OSHA/NIOSH approved respirator. Seek professional advice prior to respirator selection and use.

**Hand Protection:** While not expected to cause skin irritation, wear chemically protective gloves to prevent repeated exposure to the skin.

**Eye Protection:** The use of chemical safety goggles is recommended to prevent against eye contact. Contact lenses are not protective eye devices. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin and Body Protection:** Wear long-sleeve shirt, long pants and shoes plus socks to prevent prolonged or repeated skin contact.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Yellow liquid, Soluble concentrate.

**Odour:** Slight odour.

**pH (1% aqueous dilution):** 4 - 6 @ 24 °C.

**Melting point:** Not determined.

**Freezing Point:** Not determined.

**Boiling Point:** Not available.

**Flash Point:** > 93 °C.

**Flammability:** Not available.

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

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

**Relative Vapour Density:** Not available.

**Density:** 1.248 g/ml @ 25 °C.

**Solubility:** Soluble.

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

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

**Decomposition temperature:** Not available.

**Viscosity:** Not available.

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Product is stable at ambient temperature and pressure, under normal storage and handling conditions.

**Reactivity:** None known.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** Extreme heat or exposure to flames. Temperatures below 4 °C.

**Incompatible Materials:** Strong oxidizers, bases, acids and reducing agents.

**Hazardous Decomposition Products:** Toxic gases such as nitrogen oxides and ammonia may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY:

**Based on experimental data:**

**Oral LD<sub>50</sub>:** > 5,000 mg/kg.

**Dermal LD<sub>50</sub>:** > 5,000 mg/kg.

**Inhalation LC<sub>50</sub>:** > 5.07 mg/l (4 hr).

**Skin irritation:** Animal tests showed the product to be non-irritating.

**Eye irritation** May cause mild but temporary eye irritation. Animal tests showed the product to be minimally irritating.

**Skin Sensitization:** Product is not a skin sensitizer.

**Respiratory Sensitization:** May be harmful if inhaled.

**Reproductive cell mutagenicity:** Not available.

**Carcinogenicity:** Not available.

**Reproductive toxicity:** Not available.

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

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

**Aspiration hazard:** Not available.

**Chronic effects:** Not available.

#### POTENTIAL ADVERSE EFFECTS:

**Inhalation:** May cause minor irritation of the upper respiratory tract.

**Skin contact:** Non-irritating.

**Eye contact:** May cause mild but reversible eye irritation.

**Ingestion:** Not anticipated to be harmful if swallowed, however gastric upset may occur.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL SUMMARY:** This product is not expected to cause environmental harm in recommended amounts.

#### ECOTOXICITY DATA:

##### Fish Acute and Prolonged Toxicity:

Rainbow trout and Fathead minnow:

LC<sub>50</sub> (96-hr) = 447 mg/l

NOEC = 40 mg/l

LOEC = 200 mg/l

##### Aquatic Invertebrate Acute Toxicity:

*Daphnia magna*: EC<sub>50</sub> (48-hr) = 377 mg/l

*Daphnia magna*: NOEC (48-hr) = 40 mg/l

**Aquatic Plant Toxicity:** Not determined.

**Bird Acute and Prolonged Toxicity:** Not determined.

**Honeybee Toxicity:** Not determined.

#### ENVIRONMENTAL EFFECTS:

**Soil Absorption/Mobility:** Mobile in soil profile.

**Persistence and degradability:** Not determined.

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

**Other adverse effects:** None known.

### 13. DISPOSAL CONSIDERATIONS

**Waste:** 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.

**Container:** 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 minimum of one third of that of the container. Add the rinsing to the contents of the spray tank before recycling or destroying the container in the prescribed manner. Comply with local legislation applying to waste disposal.

### 14. TRANSPORT INFORMATION

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)

**Transport:** Wedge drums tightly to avoid movement.

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### **15. REGULATORY INFORMATION**

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

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

### **16. OTHER INFORMATION**

**Packaging:** Packed in 1; 5; 10 and 20 litres plastic containers, labelled according to South African regulations and guidelines.

**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 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.

### **END OF DOCUMENT**

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For detailed information on revisions, contact the Registration holder.