

# KOMBAT ANT NEST GRANULES

Version 1.2

Revision Date December 2016

---

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY UNDERTAKING:

### PRODUCT INFORMATION

**Product Name** : KOMBAT ANT NEST GRANULES

**Design Code** :

**Registration No.** : L8874, Act No. 36 of 1947

**Use** : Insecticide

**Company** : Kombat (Pty) Ltd  
39 Dr. Gordon Road  
Greytown  
3250

**Telephone** : +27-33-417-1906/7



Harmful



Dangerous for the environment

### EMERGENCY TELEPHONE NUMBERS

#### SPILLAGES:

Emergency telephone: +27-82-446-8946 (all hours)

#### POISONING INCIDENTS:

Poison Information Centre of the Western Cape: +27-861-555-777 (all hours)

Griffon Poison Information Centre +27-82-446-8946 (all hours)

UFS Pharmacology/Toxicology information centre: +27-82-491-0160

---

## 2. HAZARD IDENTIFICATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

---

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature  
Insecticide, Bait

Hazardous ingredients  
Hydramethylnon

Content (W/W): 0.73 %

CAS Number: 67485-29-4

Hazard symbol(s): T, N



# KOMBAT ANT NEST GRANULES

Version 1.2

Revision Date December 2016

R-phrases: 22, 36, 48/25, 50/53

2-Tert-butylhydrochinone  
Content (W/W): 0.1 %

CAS Number: 1948-33-0

Hazard symbol(s): Xn, N

R-phrases: 22, 36/38, 50

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

---

## 4. FIRST- AID MEASURES

### **General advice:**

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

### **If inhaled:**

Keep patient calm, remove to fresh air, seek medical attention.

### **On skin contact:**

Immediately wash thoroughly with soap and water, seek medical attention. If irritation develops, seek medical attention.

### **On contact with eyes:**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### **On ingestion:**

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control centre or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

### **Note to physician:**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

---

## 5. FIRE-FIGHTING MEASURES

### **Suitable extinguishing media:**

carbon dioxide, dry extinguishing media, foam, water spray

### **Specific hazards:**

carbon monoxide, hydrogen fluoride, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

### **Special protective equipment:**

Wear self-contained breathing apparatus and chemical-protective clothing.

### **Further information:**

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.



# KOMBAT ANT NEST GRANULES

Version 1.2

Revision Date December 2016

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

### Environmental precautions:

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

For small amounts: Contain with dust binding material and dispose of.

For large amounts: Sweep/shovel up.

Avoid raising dust. Collect waste in suitable containers, which can be labelled and sealed.

Dispose of absorbed material in accordance with regulations. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

---

## 7. HANDLING AND STORAGE

### Handling:

No special measures necessary if stored and handled correctly.

### Protection against fire and explosion:

Dust can form an explosive mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

### Storage:

Segregate from foods and animal feeds.

### Further information on storage conditions:

Protect against moisture. Keep away from heat. Keep in a cool, well-ventilated place.

### Storage stability:

Storage duration: 24 Months

Keep container dry.

The stated storage temperature should be noted.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

---

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Components with workplace control parameters

67485-29-4: hydramethylnon (Content (W/W): 0.73 %)

Personal protective equipment

### Respiratory protection:

Particle filter Type P2 or FFP2, (medium efficiency for solid and liquid particles e.g. EN143,149)

Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.

### Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

### Eye protection:

Tightly fitting safety goggles (splash goggles) (EN 166)

### Body protection:



# KOMBAT ANT NEST GRANULES

Version 1.2

Revision Date December 2016

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

**General safety and hygiene measures:**

Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended.

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Store work clothing separately. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: granules

Colour: tan

Odour: mild, of vegetable oils

Flash point: 104 °C

Ignition temperature: approx. 404 °C

Bulk density: 240 - 384 kg/m<sup>3</sup>

Solubility in water: insoluble

---

## 10. STABILITY AND REACTIVITY

**Conditions to avoid:**

Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electro-static discharge. Avoid prolonged storage.

**Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

**Substances to avoid:**

oxidizing agent

**Corrosion to metals:**

Corrosive effects to metal are not anticipated.

**Not corrosive to:**

mild steel

**Hazardous reactions:**

No hazardous reactions if stored and handled as prescribed/indicated.

**Hazardous decomposition products:**

No hazardous decomposition products if stored and handled as prescribed/indicated.

---

## 11. TOXICOLOGICAL INFORMATION

LD50/oral/rat/male/female: > 5,000 mg/kg

LD50/dermal/rat/male/female: > 2,000 mg/kg

Primary skin irritation/rabbit: Slightly irritating.

Primary irritations of the mucous membrane/rabbit: non-irritant

Additional information:

Misuse can be harmful to health.



## KOMBAT ANT NEST GRANULES

Version 1.2

Revision Date December 2016

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Information on: hydramethylnon

Toxicity to fish:

*Oncorhynchus mykiss*/LC50 (96 h): 0.16 mg/l

Information on: hydramethylnon

Aquatic invertebrates:

*Daphnia magna*/EC50 (48 h): 1.14 mg/l

Information on: hydramethylnon

Aquatic plants:

Algae/EC50: 1.4 ug/L

#### Persistence and degradability

Elimination information

*Information on: hydramethylnon*

*Evaluation: Not readily biodegradable (by OECD criteria).*

#### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The ecological data given are those of the active ingredient.

---

### 13. DISPOSAL CONSIDERATIONS

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in accordance with official regulations after being thoroughly cleaned.

Uncleaned empties should be disposed of in the same manner as the contents.

---

### 14. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations (ADR RID ADNR IMDG/GGVSee ICAO/IATA)

---

### 15. REGULATORY INFORMATION

#### Regulations of the European union (Labelling) / National legislation/Regulations

EEC Directives:

R-phrase(s)

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S20/21 When using do not eat, drink or smoke.

Hazard determinant component(s) for labelling: HYDRAMETHYLNON



# KOMBAT ANT NEST GRANULES

Version 1.2

Revision Date December 2016

## Other regulations

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

---

## 16. OTHER INFORMATION

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

T Toxic.

N Dangerous for the environment.

Xn Harmful.

22 Harmful if swallowed.

36 Irritating to eyes.

48/25 Toxic: danger of serious damage to health by prolonged exposure if swallowed.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

36/38 Irritating to eyes and skin.

50 Very toxic to aquatic organisms.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.