

VILLA OLYMPIC

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: OLYMPIC
Adjuvant
UN No.: Not Regulated
Supplier: Villa Crop Protection (Pty) Ltd.
PO Box 10413
Aston Manor, 1630, South Africa
Telephone: (011) 3962233
Fax: (011) 3964666
Website: 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. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name: OLYMPIC
Chemical Name: Terpenic Polymer
CAS No.: 31393-98-3
Chemical Family: Terpenes (Spreader-Sticker)
Use: A Terpenic polymer sticker adjuvant designed to control the effective lifespan of insecticides, herbicides, fungicides and foliar fertilizers.

3. HAZARD IDENTIFICATION

Toxicity class: WHO (a.i.) III (Table 5); EPA (formulation) IV.

Toxicity: Oral LD₅₀ = >3000 mg/kg. Dermal LD₅₀ = >4000 mg/kg.

Likely routes of exposure: Ingestion, inhalation and skin contact.

Ingestion: Can be dangerous if large amounts are ingested. May cause moderate throat irritation.

Skin contact: Minimally toxic. May cause mild skin irritation.

Eye contact: May cause moderate irritation.

Inhalation: Harmful. Vapour may be Irritant to the mucous membranes and upper respiratory tract.

4. FIRST AID MEASURES AND PRECAUTIONS

Call a poison control centre or doctor for treatment advice. Have the products container of label with you when calling a poison control centre or doctor or going for treatment.

Inhalation: Move person to fresh air. If person is not breathing, call an ambulance and then give artificial respiration, preferably mouth-to-mouth, if possible.

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.

Eye contact: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Ingestion: Call a poison control centre or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor.

Do not give anything by mouth to an unconscious or convulsing person.

5. FIRE FIGHTING MEASURES

Fire and explosion hazard: Evacuate people downwind from fire. Control runoff water.

Extinguishing agents: Foam, Carbon Dioxide, Dry chemical, Water spray or sand/earth.

Firefighting: Use an approved self-contained breathing apparatus. Fight fire upwind

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal precautions: Keep from children and animals. After working with this product, thoroughly clean equipment. Wash thoroughly, change clothing, and clean protective gear.

Occupational spill: Eliminate all sources of ignition. Pick up spills with absorbent material. Dike and prevent runoff if possible. Place in suitable containers for disposal.

7. HANDLING AND STORAGE REQUIREMENTS

Handling & Storage: Keep containers closed when not in use. Keep from sources of ignition. Do not contaminate water, food, feed by storage or disposal. Follow good industrial hygiene practices. Store between 4.4 °C and 48.9 °C.

Keep out of reach of children. Follow label directions carefully. Store product in a cool, dry, ventilated area.

D.O.T Description: Not Regulated

Freight Description: Agricultural Spray Adjuvant, Liquid, N.O.S

E.R.G. Guide Sheet: 171.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

Work/Hygienic Practices: Prevent eating, drinking, tobacco usage and cosmetic application to prevent exposure.

PERSONAL PROTECTIVE EQUIPMENT:

- Respirator:** None under normal use conditions.
- Clothing:** Overalls, long-sleeve shirt, rubber boots.
- Gloves:** Rubber impervious are generally recommended.
- Eye protection:** Safety glasses or chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Viscous amber liquid.
- Odour:** Terpene odour.
- Vapour Pressure:** Negligible.
- Vapour Density:** Negligible.
- Flash point:** 132 °C
- Specific gravity (H20=1):** 0.95 gms/cc
- pH:** 6 to 8.
- Evaporation Rate (Butyl Acetate=1):** Not Determined.
- Solubility in Water:** Emulsifiable.

10. STABILITY AND REACTIVITY

Avoid excessive heat, sources of ignition and strong oxidizers.

Storage stability: Protect this product from freezing temperatures. Store above 4 °C. Keep the container tightly closed, do not allow water to be introduced into the contents of the container.

Storage stability: Stable for up to 2 years when stored in a dry, cool covered warehouse in original, well-labelled containers. Store at low temperature conditions, below 50°C, preferably below 30 °C and not for prolonged periods in direct sunlight.

- Incompatibility:** None known.
- Conditions to avoid:** Excessive temperature.
- Polymerisation:** Will not occur.
- Decomposition products:** Oxides of carbon under fire conditions.

11. TOXICOLOGICAL INFORMATION

- Acute oral LD₅₀:** Rats: > 5000 mg/kg.
- Acute dermal LD₅₀:** Rats: > 2000 mg/kg.
- Inhalation Toxicity:** LC50 > 2460 mg/kg.

12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms.
 The product is considered to be a water pollutant (German law). Do not discharge product unmonitored into the environment. The ecotoxicological data refer to the

undiluted 100 % product. The product does not cause essential disturbances of ecological processes and equilibriums, when used in the recommended concentrations and ways of applications.

13. DISPOSAL CONSIDERATION

Dispose of waste and waste containers in accordance with local/state/federal regulations

Product disposal: Open dumping or burning of this product is prohibited. Waste resulting from the use of this product cannot be reused or reprocessed. Never pour untreated waste or surplus products 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 disposal: Emptied containers retain vapour and product residues. Observe all labelled safeguards until container is destroyed.

TRIPLE RINSE empty containers in the following manner: Invert 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 a third of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.

Do not re-use the empty container for any other purpose but destroy it by perforation and flattening and bury in an approved dumpsite. Prevent contamination of food, feedstuffs, drinking water and eating utensils.

Comply with local legislation applying to waste disposal.

14. TRANSPORT INFORMATION

Environmentally dangerous substance.

UN NUMBER: Not Regulated.

Road Transport ADR/RID:

- Class: 9
- Packaging group: III
- Shipping name: **Terpenic Polymer** (Cas 31393-98-3)

Air Transport IATA/ICAO:

- Class: 9
- Packaging group: III
- Shipping name: **Terpenic Polymer** (Cas 31393-98-3)

Maritime Transport IMDG/IMO:

- Class: 9
- Packaging group: III
- Shipping name: **Terpenic Polymer** (Cas 31393-98-3)

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15. REGULATORY INFORMATION

Risk Phrases:

- R 20/21:** Harmful by inhalation and in contact with skin.
- R 38:** Irritating to skin.
- R 41:** Risk of serious damage to eyes.
- R 51/53:** Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

- S 24:** Avoid contact with the skin.
- S 26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S 36/37/39:** Wear suitable protective clothing, gloves and eye/face protection.
- S 51:** **Use only in well-ventilated areas.**
- R 61:** Avoid release to the environment.

16. OTHER INFORMATION

Packaging: Packed in 1, 5, 10, 20, 50 & 200 litres plastic containers and 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.