



Document Number: 0001

Date Issued: 20-02-2019

Revision Number: A

Page 1 of 4

## SAFETY DATA SHEET



### 1. PRODUCT AND COMPANY DETAILS

Product Name: RoboSol Aerosol (Various Sizes)

Product Description: Insecticide

#### Manufacturer / Supplier

Mantelle Marketing Pty Ltd

T/A RoboSol

12 Mountbatten Avenue

Pinelands, Western Cape

South Africa

**Emergency telephone no: +27 21 531 0712**

Tel: +27 21 531 0712

Fax: +27 86 662 3662

Email: [info@insectcontrol.co.za](mailto:info@insectcontrol.co.za)Website: [www.robosol.co.za](http://www.robosol.co.za)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Liquid solvent and active ingredients blend with a hydrocarbon propellant.

Hazardous Components:

CAS No:	Chemical Name	Approx. %	Symbol	R-Phrases / P-Statements
64742-48-9	Hydrocarbon Solvent	30 – 40	F; T; Xn	P226; P304; P331
8003-34-7	Pyrethrum	< 2	Xn; N	20/21/22; 50/53
51-03-6	Piperonyl Butoxide	< 8	N	50/53
106-97-8 / 74-98-6 / 75-28-5	Hydrocarbon Aerosol Propellant	55 - 65	F+	12; 18; 44

### 3. HAZARDS IDENTIFICATION

Product Code: NRA code: 49235

UN Number: UN 1950 (Aerosol dispensers, capacity less than 1 litre)

Dangerous Goods Class: Class 2.1 Flammable gases

Explosion Hazard: Yes, if exposed to prolonged temperatures above 55°C

Subsidiary Risk: Flammable



Document Number: 0001

Date Issued: 20-02-2019

Revision Number: A

Page 2 of 4

## **SAFETY DATA SHEET**

Hazchem Code: 2YE  
Product Use: Aerosol Insecticide

### **4. FIRE FIGHTING MEASURES**

Dry Foam  
CO2  
Dry chemical  
Water fog. DO NOT USE WATER JET.  
Self-contained breathing apparatus

### **5. ACCIDENTAL RELEASE**

Under normal use conditions the chemicals in this product do not pose an acute risk of poisoning. Product will evaporate.

Spill control: Eliminate all ignition sources. No smoking or naked lights within 25 meters. Ventilate area. Isolate leaking containers, if safe to do so, by removing to a safe unoccupied area outdoors. Absorb with oil-dry or similar inert material. Sweep or scrape up and containerise. Do not let spills enter watercourse.

Personal  
Precautions: PVC gloves suggested for clean-up.

### **6. HANDLING AND STORAGE**

#### **As for all aerosols: -**

Do not use near fire or flame.  
Do not puncture or incinerate  
Keep away from heat and sunlight

Transport: Class 9 Dangerous Goods (NZS 5433 Transport of Hazardous Substances on land)

Storage: Keep out of reach of children. Store in a cool, dry place out of direct sunlight.

### **7. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Exposure Limits: See hazardous ingredients panel  
Exposure Effects: Be careful to spray with button facing away from face.  
Inhalation: Dizziness and Nausea. Use adequate ventilation.  
Eyes: Can burn eyes if not operated under normal use.  
Skin: No special requirements under normal use.



Document Number: 0001

Date Issued: 20-02-2019

Revision Number: A

Page 3 of 4

## **SAFETY DATA SHEET**

### **8. FIRST AID MEASURES**

Swallowed:	Do not induce vomiting. Give 250ml water to dilute. If vomiting occurs, keep head below hips to prevent aspiration into the lungs. Get prompt medical attention.
Inhalation:	In case of high concentrations of vapour. Remove person to fresh air and keep warm and quiet. Seek medical help.
Eyes:	Wash immediately with copious quantities of water, holding eyelids open for at least 15 minutes.
Skin:	Wash thoroughly with soap and water. Apply emollient cream.
If eye or skin irritation occurs, seek medical help.	

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear, colourless liquid
Odour:	Characteristic (mild) odour
Volatility:	Slowly volatile at 100°C, but >99°C volatile at higher temperatures.
Solubility (H <sub>2</sub> O):	Insoluble
Boiling / Melting point:	N/A
Vapour Pressure:	550 kPa
Flash point:	-18°C
Flammability Limits:	1.2% (LEL) – 9.5% (UEL) v/v
Specific Gravity:	Concentrate: 0,734 Propellant: 0,5469

### **10. STABILITY AND REACTIVITY**

Stability:	Minimum 24 months shelf life – if stored under recommended conditions.
Incompatibility:	Strong oxidizing / corrosive surroundings
Hazardous decomposition products:	Acid fumes on exposure to high temperatures.

### **11. TOXICOLOGICAL INFORMATION:**

LD50 mg/kg (Rat):

- 64742-48-9 >35
- 8003-34-7 1200
- 51-03-6 >7950
- 68475-59-2 10300



Document Number: 0001

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Revision Number: A

Page 4 of 4

## **SAFETY DATA SHEET**

### **12. ECOLOGICAL INFORMATION:**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment.

Not packed with Fluorocarbons. CFC free.

### **13. DISPOSAL CONSIDERATION**

Waste treatment methods: Dispose of surplus and non-recyclable solutions at an approved, licensed disposal site. In accordance with local regulations.

Dispose of contaminated packaging as unused product in suitable landfill.

### **14. TRANSPORT INFORMATION**

Transport as flammable liquid

Class 9 Dangerous Goods (NZS 5433 Transport of Hazardous Substances on land)

### **15. REGULATORY INFORMATION**

**Hazard Symbol:** F; Xn; T; N

**Risk Phrases:**

R22	Extremely Flammable
R18	In use, may form flammable/explosive vapour-air mixture
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R43	May cause sensitisation by skin contact
R44	Risk of explosion if heated under confinement
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Safety Phrases:**

S2	Keep out of reach of children
S16	Keep away from sources of ignition
S24/25	Avoid contact with skin and eyes
S29	Do not empty into drains
S45	In case of accident or if you feel unwell, seek medical advice immediately and show label where possible

### **16. OTHER INFORMATION**

**Precautionary Note:** All information supplied is based on Laboratory tests and field trials. Data is to the best of our knowledge correct – we cannot be held responsible in the event of misuse or abuse of this material as conditions of use are beyond our control.