

SAFETY DATA SHEET

KIWICARE®

Product Name: Ronstar SG®

Issue Date: 4/09/2012

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1. PRODUCT AND COMPANY INFORMATION

Product Name:	Ronstar SG®
Synonyms:	NO Weeds Ronstar Weedstop
Molecular Formula:	Mixture
Supplier:	Kiwicare Corporation Limited
Street Address:	225 Maces Road, Bromley, Christchurch, 8062 New Zealand
Postal Address:	P.O Box 15050, Aranui, Christchurch, 8643 New Zealand
Telephone	+64 3 389 0778
Email:	info@kiwicare.co.nz
Website:	www.kiwicare.co.nz
Emergency Contact Numbers:	
National Poisons Centre:	0800 764 766 (0800 POISON)

2. HAZARDS IDENTIFICATION

Dangerous Goods:	Classified as not hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Packaging Group:	

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Kiwicare Ltd, PO Box 15-050, Christchurch 8643, New Zealand. Ph +64 3 389 0778. www.kiwicare.co.nz.

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2. HAZARDS IDENTIFICATION

Hazardous Substance (HSNO) Codes: 6.4A, 6.7B, 6.8B, 6.9B, 9.1A, 9.2A

Harmful – may cause eye irritation.

Harmful – suspected of causing cancer.

Harmful – may cause reproductive/development damage from repeated oral exposure.

Harmful – presumed to/may cause organ damage from repeated oral exposure at high doses.

Toxic to aquatic organisms.

Very toxic to the soil environment.

Risk & Safety Phrases

R36 Irritating to eyes.

R40 Limited evidence of a carcinogenic effect.

R50 Very toxic to aquatic organisms.

R56 Toxic to soil organisms.

R62 Possible risk of impaired fertility.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Pre-emergent herbicide

Appearance: Pale brown granules

Ingredients

Ingredients	CAS #	Content % w/w or w/v
Oxadiazon	19666-30-9	2.0%
Simazine	122-34-9	0.5%
Silica, quartz	14808-60-7	0.9 to 9.2%

4. FIRST AID MEASURES

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4. FIRST AID MEASURES

Ingestion:	Wash out mouth with water. Give water to drink. Do not give anything by mouth to an unconscious person. Keep patient at rest and seek medical advice.
Eye Contact:	If product gets in eyes wash it out immediately with water for at least 15 minutes.
Skin Contact:	If skin contact occurs remove contaminated clothing and wash affected areas thoroughly with soap and water.
Inhalation:	Move person to fresh air and keep at rest until recovered. Apply artificial respiration if necessary.
Notes to Physician:	For local contamination treatment should be symptomatic after decontamination. For systemic poisoning initial treatment should be symptomatic and supportive.

5. FIRE FIGHTING MEASURES

Specific Hazards:	In case of fire, hydrogen chloride, oxides of nitrogen and oxides of carbon may be formed.
Suitable Extinguishing Media:	Water spray, carbon dioxide, dry powder, foam. Use media suitable to cause of fire.
Fire Fighting Advice:	When fighting a major fire wear an air-supplied respirator. Wear protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up:

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6. ACCIDENTAL RELEASE MEASURES

Minor Spills (Up to 50 L):

Keep all bystanders away.

Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves.

Contaminated material must be disposed of in accordance with all local authority requirements.

- For quantities up to 50kg of product bury in a secure approved landfill site.

Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.

Major Spills (more than 50 L):

For quantities greater than 50kg seek advice from the manufacturer (use emergency contact number) before attempting disposal. Contain in a secure location until disposal method is established.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Storage:

Store in a cool, dry, well ventilated place and protect from sunlight.

Store in original container, tightly closed, away from foodstuffs.

If fine dust is formed, dust/air mixtures can build up static electrical charges which may be explosive

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

Silica, quartz
TWA: 0.2mg/m³
TLV TWA for silica, crystalline, quartz
–respirable fraction: TWAL 0.05mg/ m³

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use in well ventilated areas. Where insufficient ventilation, use suitable respiratory protection. Wear suitable protective gloves (e.g. Polyvinyl chloride – PVC). After contamination with product change the gloves immediately.
Personal Protection:	Chemical goggles/face protection. Wear suitable protective clothing. Avoid inhaling aerosols and vapours. Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Change contaminated protective clothing. Keep away from food, drinks and tobacco.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Light brown granules, aromatic.
Solubility:	Practically insoluble
Specific Gravity:	Not available
Boiling Point:	87°C (oxadiazon)
Freezing Point:	Not available
Melting Point:	Not available
Vapour Pressure:	0.1 mPa at 25°C (oxadiazon)
Coefficient of Cubic Expansion:	Not available
Relative Vapour Density:	Not available
Decomposition Point:	Not available
Viscosity:	Not available
Flash Point:	Not available

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9. PHYSICAL AND CHEMICAL PROPERTIES

Electrostatic Generation:	Not available
Auto-ignition Temperature:	Not available
% Volatile by Volume:	Not available
Flammable Limits:	Not available
pH Value:	Not available
Evaporation Rate:	Not available
Explosion Hazard:	Not available
Formula:	Not available
Molecular Weight:	Not available
Chemical Family:	Not available
Other:	Not available
Oxidising Agents:	Not available
Acids:	Not available
Alkalis:	Not available
Salt or Freshwater:	Not available
Exposure Standards (TLV-TW):	Not available
Engineering Controls:	Not available

10. STABILITY AND REACTIVITY

Stability:	Stable under standard conditions. Stable in acidic and neutral medium, unstable in alkali.
Incompatibility:	Extreme of temperature, moisture. Avoid contact with strong acids, strong bases and strong oxidizing agents.
Corrosive Properties:	None

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10. STABILITY AND REACTIVITY

Thermal Decomposition: Not available

11. TOXICOLOGICAL INFORMATION

General:

Acute Effects
Acute oral toxicity: LD50: >5000mg/kg
Acute dermal toxicity: LD50: >2000mg/kg
Acute inhalation toxicity: LC50: (4h) rat:
>2.77mg/L - oxadiazon

Ingestion:

Eye Contact: May cause eye irritation

Skin Contact: Moderately irritating (rabbit)

Inhalation: Acute inhalation toxicity: LC50: (4h) rat:
>2.77mg/L - oxadiazon

Long Term Effects: Not sensitizing (guinea pig) -oxadiazon

Acute Toxicity: Acute oral toxicity: LD50: >5000mg/kg
Acute dermal toxicity: LD50: >2000mg/kg
Acute inhalation toxicity: LC50: (4h) rat:
>2.77mg/L - oxadiazon

Chronic Toxicity: Not available.

12. ECOTOXICITY INFORMATION

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12. ECOTOXICITY INFORMATION

Environmental Effects:

Acute fish toxicity(oxadiazon):

LC50: 1.2mg/L (96h) ; bluegill sunfish

LC50: 1.2mg/L (96h) ; rainbow trout

Toxicity for daphnia:

EC50: >2.4mg/L water flea (Daphnia magna)

Toxicity for Algae:

EC50: 0.00318mg/L (120h)

EC50: 0.0056mg/L (120h) (Skeletonema costatum)

Toxicity for Birds:

LD50: >2150mg/kg; Bobwhite quail

LD50: 1040mg/kg; Mallard duck

Environmental fate, persistence, degradability, mobility:

Oxadiazon is strongly adsorbed by soil colloids and humus, with very little migration or leaching. Negligible loss due to volatilization. DT50 in soil is about 3-6 months. Koc 1400 (silt loam) to 3200 (sand) at 25°C.

13. DISPOSAL CONSIDERATIONS

Product Disposal:

Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

Container Disposal:

Triple rinse the empty container adding rinseate to the spray tank. Recycle if possible. If allowed under local authority, burn if circumstances, especially wind direction permit, otherwise crush and bury in an approved local authority facility. Do not use container for any other purpose.

14. TRANSPORT INFORMATION

Road and Rail

UN Number:

UN 3077

Dangerous Goods Class:

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14. TRANSPORT INFORMATION

Hazchem Code:	2X
Packaging Group:	III
Proper Shipping Name:	Ronstar SG
Segregation:	Not available

Marine

UN Number:	UN 3077
Class:	9
Packaging Group:	III
Proper Shipping Name:	Ronstar SG

Air Transport

UN Number:	UN 3077
Class:	9
Packaging Group:	III
Proper Shipping Name:	Ronstar SG

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR000471
HSNO Classifications:	6.4A, 6.7B, 6.8B, 6.9B, 9.1A, 9.2A
HSNO Controls:	See www.epa.govt.nz for controls.
HSNO Approved codes of Practice:	Not available.
ACVM Registration:	P 3144

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15. N.Z. REGULATORY INFORMATION

ACVM Controls:

See

<https://eatsafe.nzfsa.govt.nz/web/public/acvm-register> for registration conditions.

16. OTHER INFORMATION

Emergency Contact

24 Hours

Work Hours

National Poisons Centre

Kiwicare Corporation

PO Box 913

225 Maces Road

Dunedin

PO Box 15050

Tel: 0800 764 766 (POISON)

Christchurch

Tel: (03) 389 0778

Fax: (03) 389 0669

All Safety Data Sheets are subject to review and should not be left longer than three years before and update is obtained.

For further information visit the Kiwicare web site, www.kiwicare.co.nz, or contact the supplier.

The information in this document should be made available to all who may handle the product

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

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