



## MATERIAL SAFETY DATA SHEET

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MSDS No. 1028

### STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to the criteria of Worksafe Australia.

### COMPANY DETAILS

Company Scotts Australia Pty. Ltd.  
Address 11 Columbia Way, Baulkham Hills, NSW, 2153  
Telephone Number (02) 8853 7300  
Fax (02) 8853 7310  
Emergency Telephone Number Australia: 1800 033 111  
New Zealand: 0800 734 607

### IDENTIFICATION

Product Name **ROUNDUP® SPOT WEED KILLER SURE SHOT FOAM**  
Other Names  
Manufacturers Product Code 199400  
UN Number 1950  
Dangerous Goods Class 2.1 (Aerosol)  
Sub-Risk Class Not applicable  
Packaging Group Not applicable  
Hazchem Code Not applicable  
Poisons Schedule S5  
Uses Herbicide. (Ready to use)

### Physical Description /Properties

Appearance & Odour Creamy, white liquid in aerosol canister with slight amine odour/odourless  
Melting point/softening point Not available  
Boiling Point Not applicable  
Vapour Pressure Not available  
Flashpoint ( C):>93°C  
Flammability Limits Non flammable  
Solubility in Water Soluble  
pH (1% solution): 6.7 –7.1  
Incompatibility  
Bulk density 15.6g/cc at 20°C  
Volatile Proportion Propellant  
Corrosiveness

### Ingredients

Ingredient	Chemical Name	CAS Number	Proportion %
Active ingredients	Glyphosate, isopropylamine salt	38641-94-0	<5%
Inerts	Water	7732-18-5	To 100%
	Oxyalkylated alkylamine	61791-26-2	<1%
	Nonanoic acid	112-05-0	<5%
	Potassium hydroxide (0.85% w/w of 45% solution SG 1.457)	1310-58-3	<5%
	Ammonium sulphate	7783-20-2	<1%
	Sodium benzoate	532-32-1	<1%
	Silicone emulsion	n/a <1wt%	5%

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**HEALTH HAZARD INFORMATION**

**Health Effects**

*Acute*

Inhalation and skin contact are expected to be the primary routes of occupational exposure to ROUNDUP Sure Shot Foam. Occupational exposure to this material has not been reported to cause significant adverse health effects. However, swallowing of a similar, but more concentrated formulation, has been reported to produce gastrointestinal discomfort, nausea, vomiting and diarrhoea.

Eyes: rabbit – moderately irritating, irritation cleared by test day 7.

Dermal LD50: The hazard evaluation for this product was based on the non-aerosol form of the product. Practically non-toxic, (Rat LD50>5000mg/kg). Non irritating to skin (Rabbits).

Oral LD50: The hazard evaluation for this product was based on the non-aerosol form of the product. Practically non-toxic, (Rat LD50>5000mg/kg).

Inhalation LC50: The hazard evaluation for this product was based on the non-aerosol form of the product. Practically non-toxic, (Rat 4hr LC50>10mg/L).

Sensitization: Guinea pig – no evidence of allergic skin reactions.

Swallowed

If swallowed, this product may cause gastro intestinal tract irritation.

**HEALTH HAZARD INFORMATION**

Eye

This substance causes moderate eye irritation as indicated by possible discomfort, tearing, swelling, redness and blurred vision.

Skin

This substance is not expected to cause skin irritation.

Inhaled

If inhaled, this substance is considered practically non-toxic to internal organs. This substance may be irritating if inhaled.

*Chronic*

Subchronic: Data from Glyphosate laboratory toxicology studies were conducted with a formulation comprised of 62% isopropylamine salt of Glyphosate (MON 0139).

Rabbits – 3 week dermal: repeated daily exposure primarily resulted in slight skin irritation.

Dogs – 6 month feed: Only slight body weight changes noted.

Additional toxicity information is available on Glyphosate. Rats – 90 day feeding: No treatment related effects.

Mice – 90 day feeding: decreased weight gains at the high dose level group of animals.

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*Chronic*

**CARCINOGENICITY:**

Carcinogenicity Comments Glyphosate: glyphosate is not considered to be a carcinogen. Glyphosate did not produce tumours in any of the long-term toxicology studies.

Mice: 2-year feeding study. Reduced body weight gain and effects on liver tissues were observed at high dose levels.

Rats: 2-year feeding study. Reduced body weight gain and eye changes were observed at the high dose level in one study, while no treatment related effects occurred in a second study conducted at lower dose levels.

Dogs: No adverse effects were observed in feeding studies with dogs.

**TERATOGENICITY: GLYPHOSATE:** No evidence of teratogenic effects. Results of rat and rabbit teratology studies indicate that no birth defects were noted. This included dose levels of Glyphosate that were maternally toxic.

**REPRODUCTIVE TOXIN: GLYPHOSATE:** No evidence of adverse reproductive effects. Glyphosate was fed continuously to rats at very high dose levels for 2 successive generations. Toxicity was reported in offspring from the high dose, a level which also produced adverse effects on the mothers. In a 3-generation study conducted at lower dose levels, no effects were seen on the ability of male or female rats to reproduce.

**MUTAGENICITY: GLYPHOSATE:** Glyphosate has not produced any genetic changes in various mutagenicity tests involving in vivo animals or in vitro cellular studies.

**First Aid**

Swallowed

If swallowed, immediately telephone a Poison Information Centre (Ph: 13 11 26), emergency treatment centre or a doctor for advice. Do not make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then immediately take person and product container, with label, to an emergency treatment centre.

Eye

Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Call a doctor if irritation persists.

Skin

No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

Inhaled

If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues. Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

First Aid Facilities

In case of poisoning by any exposure route contact a doctor or Poisons Information Centre.

**Advice to Doctor**

If further treatment guidance is required, contact Emergency Response Number: 1800 033 111.

Medical conditions which may be aggravated by contact

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**PRECAUTIONS FOR USE**

Exposure Standards      Exposure limit standards for some of the constituents of this preparation are as follows: Airborne Exposure Limits: No airborne exposure limits have been established for this material or its components.

Engineering Controls      No specific ventilation is necessary.

Personal Protection      **FOR PRODUCT USERS:**  
Eyes:  
For application of product in accordance with label instructions, no special eye protection is needed. Where there is no significant potential for eye contact, wear chemical goggles and have eye flushing equipment available.  
Skin:  
Although this product does not present a significant skin concern, minimise skin contamination by following good industrial practice. Wearing gloves is recommended. Wash hands and contaminated skin thoroughly after handling.  
Respiratory:  
Avoid breathing the spray mist. Use approved respirator protection equipment when airborne exposure limits are exceeded. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by the manufacturer. For application of the product in accordance with label instructions, no special respiratory protection is required. Keep children and pets off treated areas until spray is thoroughly dry. Avoid contamination of fertilizers, spray materials, seed, feed, food stuffs or water by storage or disposal.

**SAFE HANDLING INFORMATION**

Storage and Transport      Read and observe all precautions on product label. Store in accordance with requirements for Class 2.1 Dangerous Goods (Aerosol). Do not use or store near flame, sparks or hot surfaces. Use only in well ventilated area. Container under pressure. Exposure to heat or prolonged exposure to sun may cause container to burst. Do not puncture, incinerate or store above 54°C. Avoid contamination of fertilizers, spray materials, seed, feed, food stuffs or water by storage or disposal.  
Australian Transport Code:  
Label: Non allocated Packaging Group: non allocated EPG/GTEPG: non allocated

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**SAFE HANDLING INFORMATION**

Spills and Disposal

**FOR PRODUCT USERS:**

Spill or leakage procedure: Observe all precautions for use when cleaning up spills. Soak up spilled material with paper towels or kitty litter and discard in garbage.

**Disposal:**

Collect contaminated absorbent, wrap in paper, then a plastic bag and place in the garbage. Wrap empty container in paper, then in a plastic bag and place in the garbage.

**FOR MANUFACTURE, TRANSPORT AND WAREHOUSING:**

Avoid contamination of fertilizers, spray materials, seed, feed, food stuffs or water by storage or disposal. Keep material out of sewers, watersheds and water systems.

Spill or leakage procedures: Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgate, benronite or other absorbent clays. Collect contaminated absorbent in plastic-lined metal drum and dispose of in accordance with instructions provided under "Disposal". Thoroughly scrub floor or other impervious surfaces with a strong industrial-type detergent solution and rinse with water.

For liquid spills that soak into the ground, place earth in suitable containers and dispose of as recommended under Waste Disposal.

Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of as recommended under Waste Disposal.

**Waste Disposal:**

Material collected that cannot be re-processed should be disposed of in a landfill approved for pesticide disposal. Disposal of in accordance with all applicable local and state laws.

**Containers:**

Emptied containers retain material residue. Observe all labelled safeguards until container is cleaned, reconditioned or destroyed.

Fire/Explosion Hazard

**Extinguishing Media:** In case of fire, use water spray, dry chemical, CO<sub>2</sub>, foam or other class B extinguishing agent.

**Special Fire Fighting Procedures:** Fire fighters or others exposed to vapours, mists or products of combustion should wear full protective clothing including self-contained breathing apparatus. Thoroughly decontaminate equipment after use.

**Unusual Fire and Explosion Hazards:** None.

**Reactivity Data:**

Stable under normal conditions of storage and handling.

No incompatibility known with other materials.

Hazardous decomposition products no known.

Hazardous polymerisation occurs.

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**OTHER INFORMATION**

Environmental  
Protection

Animal Toxicity Data

ECOTOXICOLOGICAL INFORMATION: Studies performed with a concentrated the isopropylamine salt of glyphosate indicate the following:

MON 0139 Technical (62%)

48hr LC50 Daphnia: 930mg/L, practically non-toxic

96hr LC50 Bluegill: >1000mg/L, practically non-toxic

96hr LC50 Trout: >1000mg/L, practically non-toxic

96hr LC50 Carp: >10,000mg/L, practically non-toxic

APVMA registration no. 51289

**CONTACT POINT**

Emergency Response for Transport and Exposure  
Australia: 1800 033 111  
New Zealand: 0800 734 607

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11 Columbia Way  
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