

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

SPRING FLOW

Descaler & Cleaner for Distiller

Radiance Developments Int. Ltd

10 Maheke St
St Heliers
Auckland 1071
New Zealand

PO Box 99-783, Newmarket, Auckland, 1149, NZ.
Phone: 0800 40 60 70

E-mail: info@springflow.co.nz

EMERGENCY CONTACT: Phone: 0800 40 60 70 Open Hours: 8am - 5pm, Monday to Friday
After Hours: National Poisons & Hazardous Chemical Information Centre: 0800-764-766 (0800-POISON)

2. HAZARD IDENTIFICATION:

Hazardous Substances & New Organisms Act (HSNO) 1996 & Classification Regulations 2001 for the product of this concentration:

- 6.1D Harmful if swallowed.
- 8.2C Causes severe skin burns and eye damage.
- 8.3A Causes serious eye damage.
- 9.1C Harmful in the Aquatic Environment.
- 9.3C Harmful to terrestrial vertebrates.

Cleaning Products Corrosive Group Standard: HSR002526

Signal World: Danger

3. COMPOSITION & INFORMATION ON INGREDIENTS:

Sulphamic Acid (CAS#:5329-14-6)	10-20%
Citric Acid (CAS#:77-92-9)	>50%

4. FIRST AID MEASURES:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.
IF ON SKIN OR HAIR: Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before re-use.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTRE or doctor if you feel unwell.
MEDICAL ASSISTANCE: If exposed or concerned get medical advice/ attention. Call your nearest Medical Centre or the NZ National Poisons Centre 0800-764-766 for advice. Have this label or Safety Data Sheet on hand.

5. FIRE FIGHTING MEASURES:

This product is neither flammable nor combustible.
Packages subject to the heat of a fire may burn scattering contents in the vicinity. If water is used to fight the fire, dissolved powder will flow to the lowest levels. Where possible remove all packaging from the path of a fire while still dry.
Firefighters must wear SCBA and chemical resistant suits.
Firefighters should use foam, CO₂, or dry chemical powder to extinguish a fire in the vicinity. Water jet, spray, or fog on large fires only.

6. ACCIDENTAL RELEASE MEASURES:

Spills on floors will produce a slippery surface if moisture is around. Signage preventing foot traffic should be erected where appropriate. Spills should be carefully contained from spreading beyond the spill area and swept up with brooms and shovels or a mechanical vacuum cleaner if appropriate for corrosives, and the debris placed in open top-drums which can be closed and removed to landfill.

7. HANDLING AND STORAGE:

Precautions for Safe Handling

Keep out of reach of children. Read label before use. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust or spray. Wear protective gloves, protective clothing and eye protection/face protection. Avoid release to the environment.

Precautions for Safe Storage

Store sealed unopened bags in sites where they can be kept cool and dry, and away from heat sources.
Handle to prevent damage to packages. Should packaging become damaged, repack into clean and dry bags, or containers of a suitable type to hold the powder and mark the product name carefully on the bag or container.
After using the product, always close the inner liner plastic bag, then fold over the top of the outer bag and seal closed with adhesive tape.
After use, return all packages to safe storage as soon as possible.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

Exposure controls:	No data is available for the product.
Eye protection:	Safety glasses.
Protective clothing:	Chemically impregnable gloves, work shoes, protective work clothes (an apron or overalls).
Respiratory protection:	Should the operator be subject to dust in the routine handling of this product, a mouth and nose filter guard should be used. If subject to regular dust clouds a respirator should be used.
Ventilation:	Where an operator is subject to dusty conditions, ensure there is ready access to eyewash units and safety shower. Also ensure adequate ventilation is provided in the work space.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	White crystalline powder
Odour	None
pH	1.7 for a 1 % solution
Flash Point	Not applicable
Ignition Point	Not applicable
Specific Gravity	Not applicable
Refractive Index	Not applicable
Viscosity	Not applicable
Relative Foam	Not applicable
Solubility in water	Completely in all proportion

10. STABILITY AND REACTIVITY:

The product is considered stable under normal storage conditions. Avoid contamination with oxidising substances. Hazardous polymerisation will not occur. Combustion of this product will release oxides of carbon

11. TOXICOLOGICAL INFORMATION:

No data is available the product. For Citric Acid - Oral (rat) LD50: 3000 mg/kg For Sulphamic Acid - Guinea Pig LD50: 1050 mg/kg

12. ECOLOGICAL INFORMATION:

No data is available for the product.
For Sulphamic acid: SPECIES: Pimephales promelas Fathead minnow. ENDPOINT: LC50 (Mortality) TYPE OF EXPOSURE: Static.
DURATION: 96 hr VALUE: 14200 ug/L [= 14.2 mg/L]

13. DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local regulations by recognised waste disposal experts. Landfill is the preferred method. Spilled powders should be recovered by broom and shovel into open ended drums which can be closed prior to disposal. Used bags should be disposed of in landfill or incinerated.

14. TRANSPORT INFORMATION:

NZ Land Transport Rule: Dangerous Goods Rule 2005	Classified as a Dangerous Goods for Land Transport in New Zealand.
UN Number:	3261
Dangerous Goods Class:	8
Proper shipping name:	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Contains Sulphamic Acid and Citric Acid)
Hazchem Group:	2X
Packing Group:	III

15. NZ REGULATORY INFORMATION:

This material is hazardous according to the criteria of the Health & Safety at work (Hazardous substances) Regulations 2017.
This material is hazardous according to the EPA Minimum Degrees of Hazard and Classification Notices 2017.
Cleaning Products Corrosive Group Standard: HSR002526
HSNO Act Controls Regulations 2001 for product:
Limit and monitor exposure during the use of the product Make use of suitable equipment for handling the product
Wear suitable protective clothing while being used Dispose of waste or spilt material only through a recognised expert company
Limit exposure to the environment

16. OTHER INFORMATION:

Formulation reference and version number: S6-172, FC-RADESB
This SDS was prepared from data available on 31 August 2016
This SDS was printed on 4 June 2019
This SDS will be reviewed no later than 31 August 2021

END OF THIS SAFETY DATA SHEET