

### Product Data Sheet

Product Code: SPRU

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## What is Spruce?

Spruce is an all-purpose cleaner that rapidly penetrates and removes light to medium soil loads from all washable hard surfaces. It is a water-based detergent that has been formulated to produce the lowest possible impacts on both people and the environment, whilst facilitating highly effective and productive cleaning.

## Health

Spruce is a hypo-allergenic\*, water-based cleaner that contains no perfumes, no solvents and no toxic ingredients. Being free from volatile organic compounds, Spruce will not compromise the indoor air-quality of buildings it has been used to clean. Spruce, while possessing a strong degreasing action, is not classed as a skin irritant. Spruce is not classified as hazardous to health according to the criteria of Worksafe Australia and therefore promotes good occupational health and safety.

\* Hypo-allergenic means every possible care has been taken in formulation and production to ensure the lowest possibility of allergic reactions occurring in sensitive individuals.

## Environment

**Awarded Good  
Environmental Choice  
Licence!**



Spruce has been made from ingredients that have been chosen to give the following properties:

- ✓ highly biodegradable
- ✓ phosphate-free
- ✓ pH-neutral
- ✓ non-flammable

Spruce contains:

- ★ Surfactants that are derived from naturally renewable, regrowable resources (such as coconut oil, starch and sugar) together with sodium citrate (formed from natural citric acid and baking soda).
- ★ Food-grade, edible red dye.
- ★ NO VOC's (volatile organic compounds) that can cause poor air quality, air pollution and potential allergic reactions in some individuals.
- ★ NO perfumes.
- ★ NO toxic, harmful or ecologically-suspect ingredients: no ammonia, glycol ethers, nonyl phenol ethoxylates, caustics, corrosives, chlorine, heavy-metal sequestering agents or phthalates.

Spruce containers will be cleaned and reused if returned to Agar Cleaning Systems Pty Ltd., significantly reducing plastic usage and waste. They can also be recycled.

## Main Benefits

- ✓ Spruce is a mild detergent which cleans all types of washable hard surfaces effectively.
- ✓ An environmentally responsible cleaner with multiple applications, Spruce simplifies chemical inventories.
- ✓ Spruce is hypo-allergenic \* and promotes good indoor air quality.
- ✓ Spruce is safe to use and colour-coded for easy identification.

## How does it work?

The surfactants in Spruce are classed as colloidal particles that work on a macromolecular level to remove soil. These particles reduce the surface tension of the solution, attack and encapsulate oil and dirt and separate these substances from the surface being cleaned. The oil and dirt can then be washed away easily.

## For use on ...

Spruce will remove all light to medium soils and spillages including foodstuffs, drinks, fats and general traffic dirt from all types of floors, walls, windows, toilets paintwork, laminates and other washable surfaces.

Spruce is recommended for use on alkali-sensitive floors such as timber, terrazzo and marble.

Spruce is concentrated for cost-effective cleaning.

See 'Application' below for usage guide and dilution rates.

## Technical Data

### Properties



COLOUR – Transparent red liquid

ODOUR – None

PH = 7 ± 0.5 (neutral)

FOAM – Medium to high foam height, suitable for mopping and autoscrubbing

### Quality

The design, manufacture and supply of all Agar chemical products is controlled by the Agar Quality Management System which is registered and externally audited by SAI Global as complying with the requirements of AS/NZS ISO 9001:2000 "Quality Management Systems – Requirements".

First Certified: 30 April 1996

SAI Certificate No.: QEC7358

## Application

FLOOR CLEANING:	Heavy Duty	Light Duty
<b>Mopping:</b>	1 part Spruce in 40 parts water. ¾ cup per wringer bucket.	1 part Spruce in 80 parts water. ⅓ cup per wringer bucket.
<b>Auto-scrubbing:</b>	<b>Small</b>	1L Spruce per tank.
	<b>Large</b>	2L Spruce per tank.
<b>WINDOW CLEANING:</b>	Use 1 part Spruce in 100 parts water.	
<b>SPRAY &amp; WIPE:</b>	Use 1 part Spruce in 15 parts water.	
<b>TOILET CLEANING:</b>	Add 50 mls of Spruce per toilet bowl.	

This is a guide only. Concentration should be varied according to the degree and persistence of soilage.

Agar Cleaning Systems maintains Material Safety Data Sheets (MSDS) on all of its products. These sheets contain information that you may need to protect your employees and customers against health or safety hazards associated with our product. Agar Cleaning Systems recommends that you obtain a copy of the respective MSDS sheet prior to using this product. The information in the Product Data Sheet is based on data we believe to be reliable. It is offered in good faith, but without guarantee, as conditions and methods of use of our product are beyond our control.