

Product Bulletin

Spruce Up™

*Pine Oil Disinfectant
Cleaner • Deodorizer*

A concentrated EPA registered disinfectant-cleaner-deodorizer for use in medical and non-medical applications. At a 2.5 ounce per gallon dilution, **Spruce Up** is effective against numerous bacteria, including Staphylococcus, Salmonella, Streptococcus and E. coli. At a 5 ounce per gallon dilution, **Spruce Up** is also effective against Pseudomonas, making it a hospital-strength product. Provides detergent cleaning while disinfecting. Also delivers mildewstatic and fungicidal performance as well as deodorizing areas which are generally difficult to keep fresh smelling. May be used as a sanitizer on non-food contact surfaces.

Directions for Use

Non-Medical Disinfection: For disinfecting in non-medical settings (such as schools, hotels, restaurants, etc.), dilute 2.5 ounces of **Spruce Up** per gallon of water. A pre-cleaning step may be required to remove gross soils. Apply with a cloth, mop or mechanical spray device so as to wet all surfaces thoroughly. Allow to remain wet for at least 10 minutes. Prepare a fresh solution daily or when solution become visibly dirty.

Medical Disinfection: For disinfecting in hospitals, nursing homes and other medical settings, dilute 5 ounces of **Spruce Up** per gallon of water. Follow the instructions for Non-Medical Disinfection.

Consult product label for additional information on use of **Spruce Up** as a fungicide, mildewstat or sanitizer.

Safety Reminder

Prior to using this or any cleaning product, make sure employees read and understand the hazard information found on the product label and Material Safety Data Sheet (MSDS). The label and MSDS will also provide information on handling precautions, protective equipment and first aid instructions which might be appropriate for this product.



Technical Specifications

Appearance	Amber Liquid
Odor	Fresh Pine
Alkalinity (as NaOH)	Low
pH (1% solution)	>10.0.
Foaming	Moderate
Flash Point	>200°F
Bulk Density	approx. 8.40 lbs./gal.
Solubility in Water	100%
Rinsing	Good
Chlorine Content	None
Phosphorous as P ₂ O ₅	None
Hard Water Performance	Good
Freeze/Thaw Stability	Good

Package Size Product Code

4x1 gal. case	#33341
5 gal. pail	#33305