

**Spray  
Nine**<sup>®</sup>  
Corp.

**Powerful - Versatile  
Concentrated**

# **EARTH SOAP**

## **Premium Environmentally Preferable Cleaner**

Cutting-edge biodegradable technology combines powerful surfactants with low emulsifying action to create **Earth Soap**<sup>®</sup>, a potent, yet environmentally thoughtful product. **Earth Soap's** innovative formula dissolves dirt, grease, grime and other hard-to-remove soils from most hard, washable surfaces. This versatile, concentrated cleaner may be "custom-formulated" by diluting in any proportion with water - from 1:1 for heavy soil loads to 50:1 for routine light-duty cleaning.

Additionally **Earth Soap** contains NO solvents, butyl, phosphates, or other harsh chemicals. Earth Soap is low-emulsifying and will not negatively impact oil/water separators and other pollution abatement systems.

### **Versatile and environmentally smart...**

**Earth Soap** addresses the government's "Buying Green Initiative" and out-performs competitive products in the clean up of the military's toughest grease, grime and oil stains.

See back panel for testimonials from satisfied Earth Soap customers.



# Applications: Versatile

**Earth Soap** is the state of the art "Green" substitution for military and government facilities including motor pools, machine shops, hangar floors, food service and dining facilities...anywhere cleaning and degreasing is necessary.

**Earth Soap** may be applied manually with a spray bottle, mop or brush. Also great for use with automated equipment like parts washers, pressure washers, steam cleaners and automatic scrubbers.

## Ideal uses:

- Concrete/Hangar Floors
- Vehicles (inside & out)
- Wash Racks
- Engines
- Dip Tanks
- Tools & Equipment
- CTK Tool Kits
- Plastic & Vinyl
- Floors & Walls
- Parts Washers (both traditional AND heated up to 180°F)



Concrete/Hangar Floors



Vehicles



Parts Washers

# Concentrated

This powerful concentrate is dilutable with water and remains effective even at higher dilution ratios. Low foaming with added corrosion inhibitors for parts washing applications. Use the "Dilution Guide" to custom formulate **Earth Soap** for specific tasks. Dilution rates may vary depending upon the age and thickness of soil buildup, method of application, temperature, etc. Experimentation may be required to determine the optimum blend for a specific task.

## Dilution Guide

- 1:1 ..... 64 oz./gal.
- 3:1 ..... 32 oz./gal.
- 4:1 ..... 26 oz./gal.
- 20:1 ..... 6 oz./gal.
- 50:1 ..... 2.5 oz./gal.

## Application

- Routine cleaning for facility & vehicle maintenance ..... 20:1 – 50:1
- Pressure washers, automatic scrubbers, floor scrubbers ..... 30:1 – 60:1
- Vinyl & aluminum siding ..... 20:1
- Parts washers ..... 4:1 – 20:1
- Engine degreasing, parts cleaning tanks ..... 1:1 – 3:1
- Heavy ink deposits (water-based), removal of heavy Hydrocarbon deposits, floors and equipment

## Dilution Ratios:

Please Note: For military aerospace cleaning applications, ONLY use mil-spec approved cleaning compounds such as **Spray Nine's AV-8® Mil Spec Aircraft Soap** (qualifies to MIL-PRF-87937).

# User Friendly

**Earth Soap** is classified as:

- Readily biodegradable according to OECD 301 - C Modified MITI Test (I)
- Non-Corrosive and Non-Hazardous by DOT Standards
- Non-Hazardous to the air per Title III Clean Air Act
- Non-Combustible
- Non-Flammable

For complete precautionary information, please refer to the material safety data sheet (MSDS)

HMIST™ <b>EARTH SOAP®</b>	
<b>H</b> HEALTH	<b>1</b>
<b>F</b> FLAMMABILITY	<b>0</b>
<b>R</b> REACTIVITY	<b>0</b>
PERSONAL PROTECTION	<b>B</b>

# Technical Data

## Product Description

**Earth Soap** is an aqueous based, biodegradable concentrate formulated with corrosion inhibition properties. Utilizing "smart science", Earth Soap is formulated to maximize cleaning efficacy while minimizing impact on environment.

**Earth Soap** contains:

**NO** 1,1,1 Trichloroethane

**NO** Ozone Depleting Chemicals

**NO** Solvents

**No** Butyl

**NO** Free Acids

**No** Free Alkalis

**NO** Phosphates

**NO** Phenolic Compounds

**NO** ingredients reportable under SARA Title III Section 313

**NO** "Targeted" chemicals listed in EPA's 33/50 Program

## Physical Product Specifications

Appearance ..... Light, green liquid  
Fragrance ..... Fresh, lemon scent  
Solubility in Water ..... Complete  
pH (Concentrated) ..... ~9.8  
pH (Diluted 4:1 w/water) .. ~9.6  
Specific Gravity ..... ~1.023 g/mL  
% Total Solids ..... 7.7%

## Available Sizes

Stock#	NSN#	Size
27901	7930-01-471-2718	6 x 1 gal.
27905	7930-01-471-2720	5 gal.
27955	7930-01-471-2724	55 gal.

# Bio-Based Products & You: A "Natural" Fit



**What is a bio-based product?** Any commercial or industrial product (other than food or feed) determined by the U.S. Department of Agriculture (USDA) to be "composed, in whole or in significant part, of biological products, including renewable domestic agricultural materials (including plant, animal and marine materials) or forestry materials."

**Do bio-based and biodegradable mean the same thing?** No. A biodegradable product can be broken down and safely incorporated into the environment through natural means. Bio-based products contain bio-renewable resources (see above).

**What legislation drives bio-based procurement policies?** Federal agencies are required to favor bio-based products in their purchasing decisions according to the Farm Security and Rural Investment Act (Farm Bill) and Federal Acquisition Regulation (FAR) 2004-032. DoD fully supports these efforts through its DoD Green Procurement Program Strategy. Executive Order 131423 also expands the procurement of environmentally sound goods and services, including bio-based products.

**Who is required to purchase bio-based products?** Department of Defense (DoD), General Services Administration (GSA), National Aeronautics and Space Administration (NASA), and all Federal agencies. (As defined by FAR clause)

**How does Earth Soap help meet bio-based purchasing requirements?** This bio-based product is safer for humans and the environment than its petroleum based counterparts. Natural ingredients in Earth Soap include surfactants derived from corn, vegetable oil and sugar.

We invite you to consider **Spray Nine's** other bio-based products in addition to **Earth Soap**:

**AV-8® Aircraft Soap** – A Type IV water-dilutable cleaning compound for sensitive aircraft metals. Meets MIL-PRF-87937 and is listed on the appropriate Qualified Products List (QPL).

**Peel Power® Hand Cleaner** – A naturally orange scented, non-solvent hand cleaning paste that digs out tough soils and odors.



# Don't take our word for it...

## Here are some comments from satisfied military customers:

**Following an Earth Soap field test against a competitive floor soap, a Hazmat Officer at MacDill AFB writes...** "...Earth Soap is the better product.... Recommending the base wide use of Earth Soap"

**After trying Earth Soap, NASA writes...** "This product (Earth Soap) is more environmentally friendly... and is effective for general purpose cleaning. It has been used successfully to degrease the Space Shuttle crawler."

**One Air Force Hazardous Material Control Officer at Shaw AFB commented...** "The Earth Soap is a more environmentally-friendly cleaner and works better in our oil/water separators. We are trying to move away from the more harmful chemicals, ... towards 'greener' products such as Earth Soap."

**An Air Force Environmental Coordinator at Dyess AFB writes...** "I finally got around to using the Earth Soap. WOW!"

**In addition to all the great testimonials received, the Department of the Air Force Management & Equipment Evaluation Program (MEEP) says...** "Earth Soap was used to remove petroleum residue, dirt, hydraulic and engine oils from shop floors and aprons in vehicle maintenance areas. All soils were effectively removed with Earth Soap." **Furthmore, MEEP states...**"Earth Soap performed well and as advertised."

**Try Earth Soap for yourself and see what this product can do to tackle your toughest cleaning tasks.**

## How to buy...

Order Earth Soap utilizing any of the following purchase options:

- Contact you Hazmat Pharmacy, HMCC or Base Supply Store
- Directly through Spray Nine Corporation Government Sales Division: 1-800-477-7299 (Ext. #3)
- Through GSA Advantage™ at [www.fss.gsa.gov](http://www.fss.gsa.gov)
- Through GSA's Milstrip Program

GSA Contact Number: GS-10F-8876H • SIN: 375-361 • Biodegradable Cleaner/Degreasers

**"Earth Soap® is one step toward safeguarding the environment for future generations."**



251 N. Comrie Ave.  
Johnstown, NY 12095  
Phone: (800) 477-7299 or (518) 762-4591 Ext.3  
Fax: (518) 762-2566  
Website: [www.spraynine.com](http://www.spraynine.com)  
[packerkn@spraynine.com](mailto:packerkn@spraynine.com)



"Made With  
The Environment  
In Mind"

