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## Technical Data Sheet

### Spray Nine® Earth Soap®

Revised 02/15

#### PRODUCT DESCRIPTION

Spray Nine® Earth Soap® is a powerful non-solvent, water based concentrate with a mild pH below 10 designed for heavy duty cleaning. Earth Soap® is a Bio-Based cleaner made in significant part of renewable farm crops. Earth Soap® contains a sugar based surfactant made from corn and vegetable oil. This formula is readily biodegradable according to OECD 301-C Modified MITI Test (I) and contains no butyl solvents, phosphates, or ozone depleting chemicals. It is low emulsifying and ideal for use with oil/water separators and other pollution abatement systems. Spray Nine® Earth Soap® is a low foaming concentrate with corrosion inhibitors that can be used through pressure washers, automatic scrubbers and traditional or heated metal or plastic parts washers at temperatures up to 180°F. Spray Nine® Earth Soap® may also be used for manual cleaning applications. Spray Nine® Earth Soap® is the powerful yet environmentally preferable alternative to heavy duty cleaners made with solvents, caustics and corrosive ingredients.

#### PRODUCT BENEFITS

- Bio-Based
- Biodegradable
- VOC compliant in ALL 50 states
- Special blend of surfactants, detergents and emulsifiers
- Water soluble solution
- No solvents
- No phosphates
- No ozone depleting chemicals
- No phenolic compounds
- No ingredients reportable under Sara Title III
- No targeted chemicals listed in EPA's 33/50 program
- No hazardous ingredients as listed by OSHA Subpart Z
- Non-flammable
- Non-carcinogenic
- Non-corrosive
- Non-abrasive

#### TYPICAL APPLICATIONS

##### Applications

Machinery/equipment		Exterior siding
Exhaust filters	Fiberglass	Lift trucks
Cold engines	Castings	Janitorial cleaning
Wax remover	Dies	Carpets
Grease traps	Molds	Countertops and appliances
Tooling/tools	Tanks	Walls
Shop floors	Shop equipment	Painted surfaces
Concrete		

#### Substances (Soils) Removed

Grease	Lubricants	Oil deposits
Tar	Food stains	Wax
Ink	Dirt/mud	Smoke/ soot/carbon stains

#### Application Methods

Manual	Pressure Washers	Automatic Scrubbers
Traditional Parts Washers	Heated Parts Washers (metal/plastic up to 180°F)	Steam Cleaners

#### DIRECTIONS FOR USE

NOTE: Some surfaces are inherently sensitive to cleaners. Spot test on ALL surfaces before use. Do not inhale mist. Use with adequate ventilation.

1. Dilute product to proper ratio for soil to be cleaned.
2. Apply to soiled surface.
3. Rinse immediately or wipe with clean, damp sponge or cloth.

#### RECOMMENDED DILUTION LEVELS

Dilution levels will vary depending on the type and amount of substance being removed and the type of surface being cleaned.

Application	(Product/Water) oz/gal.
Light Soils	6 oz/Gal
Moderate Soils	12 – 42 oz/Gal
Heavy Soils	52 oz/Gal
Pressure Washers/Automatic Scrubbers	12 oz/Gal
Traditional & Heated Parts Washers (Up to 180°F)	12 oz/Gal

#### PROPERTIES OF MATERIAL

	Typical Value
Chemical Type	Water-based degreaser containing proprietary ingredients, surfactants and conditioners
Appearance	Clear green liquid
Odor	lemon
Flash Point PMCC °F/(°C)	>200 (>93)
Specific Gravity, g/ml	1.01
pH	9.8

NOT FOR PRODUCT SPECIFICATIONS.  
THE TECHNICAL DATA CONTAINED HEREIN ARE INTENDED AS REFERENCE ONLY.  
PLEASE CONTACT PERMATEX, INC., TECHNICAL SERVICE DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS FOR YOUR SPECIFIC APPLICATION.  
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**GENERAL INFORMATION**

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

**ORDERING INFORMATION**

Part Number	Container Size
27932	32 fl oz Trigger Spray
27901	1 Gallon Bottle
27955	55 gallon drum

**STORAGE**

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° and 49°C (46° and 120°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range.

**NOTE**

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