

Engineered Specifically for Parts Washers

Available in	Description	Stock #
40 lb. Pail	Powder Concentrate	9-46040
400 lb. Drum	Powder Concentrate	9-46400

L-229

Parts Washer Powder Detergent

APPLICATIONS:

- **Parts Washers**
- **Soak Tanks**
- **Ultrasonic Cleaning**

Other applications: All automatic aqueous parts washers typically used in auto repair shops, engine rebuilders, car dealers, etc.

FEATURES / USER BENEFITS

■ **Non-Caustic**

Safe to use; protects your parts washer

■ **High Dilution Ratio**

Highly concentrated, no fillers, means more economical cost-in-use

■ **Biodegradable**

Peace of mind that it's safe to use

■ **Versatile**

Extra load of softening agents so it works well with hard or soft water

■ **No Chelating Agents**

Helps prevent heavy metals from dissolving

■ **Corrosion Inhibitors**

Extra inhibitors provide added protection against flash rusting

■ **No-Foam, Quick Release**

Defoaming agents and quick-release surfactants extend life of wash water

■ **Fast Acting**

Designed to quickly remove oxides, road film and diesel smoke



A d-limonene-based formula for extra- tough parts washing tasks, such as removal of heavy grease and grime. With a buffered alkalinity for maximum performance and extended life, the L-229 is a top-of-the-line parts washer detergent. It has a pleasant citrus scent and features Landa's exclusive rust-inhibitor package.

Kosher approved



LANDA®

DETERGENTS

Another Top-Rated Detergent from North America's Largest Manufacturer of Industrial Pressure Washers

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LABEL INSTRUCTIONS

L-229

Parts Washer Powder Detergent

HMIS RATING:

HEALTH:	2	Degree of Hazard: 4-Very high 3-High 2-Moderate 1-Slight 0-Insignificant
FLAMMABILITY:	0	
REACTIVITY:	1	
Personal Protection:	B	

INGREDIENTS:

Sodium Metasilicate (CAS#6834-92-0)
Sodium Tripoly Phosphate (CAS#7758-29-4)
Sodium Carbonate (CAS#497-19-8)
Sodium Nitrite (CAS#7632-00-0)
d-Limonene (CAS#5989-27-5)
Ethoxylated Alcohol (CAS Trade Secret)

For medical emergency call:
Rocky Mountain Poison Center
303-623-5716

For emergency spills call:
Chemtrec 1-800-424-9300
Outside U.S. call: 703-527-3887

Technical Data

Color Tan powder
Odor None
Specific Gravity 1
pH (5% Solution) 12.75 - 12.85
Boiling Point N/A
Vapor Pressure N/A
Vapor Density (Air=1) N/A
VOC Content 2 grams
Solubility in Water Soluble
Reactivity in Water None
Melting Point Approx. 212° F
Foam Level 0 at 100° F
Total Alkalinity 8.0 - 9.0 ml
Freeze Thaw Stable Yes
Hard Water Stable Yes
Insolubles None
Shelf Life 1-Yr Minimum
in closed container
Materials to Avoid None

*Engineered Specifically for Aqueous Parts Washers and Features
Landa's Exclusive Multi-Metal Corrosion Inhibitor Formula*

SPECIAL FEATURES:

L-229 is an extra-strength, high—but buffered—alkaline blend designed for maximum performance and extended life in soak tanks and automatic parts washers.

L-229 is a non-caustic, d-limonene-based detergent with a phosphorescent yellow color and characterized by a pleasant citrus scent. It delivers fast-action cleaning of oil- and grease-crusted parts. It is also biodegradable.

L-229 is also safe to use on aluminum and other soft metals. Because it contains an extra load of Landa's exclusive, multi-metal corrosion inhibitor formula, L-229 helps prevent flash rusting.

CAUTION:

May cause eye burns. Avoid prolonged or repeated contact with skin. Harmful if swallowed. Use with adequate ventilation.

DIRECTIONS FOR USE:

Read Material Safety Data Sheet thoroughly before using this product. Primarily for use on harder metals, but may be used on aluminum and other soft metals, if there is a heavy build-up of grease and grime. There may be some blackening of the metal.

For SOAK TANK CLEANING, mix from 1/2 to 1 lb. with every 2 gallons of water, depending on the soil load.

For PARTS WASHER CABINETS, mix from 1/4 to 1/2 lb. with every 2 gallons of water, depending on the soil. For lighter applications, use 2 lbs. per 10 gallons of water. When starting up a new parts washer cabinet, run the wash cycle at least 2 hours a day for the first week and avoid rinsing with fresh water. This will ensure the proper coating of the rust inhibitor onto the steel lining of the wash tub.

FIRST AID:

EYES: Immediately flush with water for 15 minutes. Get medical attention immediately.

SKIN: Wash thoroughly with water. Get medical attention if irritation persists.

INTERNAL: DO NOT induce vomiting. Drink water. Get medical attention immediately.

**KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY
KEEP FROM FREEZING**

**Si usted no puede leer inglés,
antes de usar este producto
pida a su supervisor que le
de instrucciones.**



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