

Tridex APS

Electronic Air Cleaner Liquid Detergent



PRODUCT DATA SHEET



Engineered Solutions for Clean Air

Tridex is a heavy duty, industrial strength, concentrated alkaline liquid detergent formulation developed specifically for removal of stubborn airborne deposits that coat exposed ionizing/collecting elements of electronic air cleaners. Deposits to be removed include tars from tobacco smoke, dirt, grease, dust, and other tenacious particulate matter which ordinarily is difficult to penetrate and make soluble with other common commercial detergents.

Method of Use

Generally, washing with Tridex and 100°F pressurized water (40 - 60 psi) produces best results. (If using a pressure washer, damage to cell can occur if nozzle tip is too close. Caution should be taken to prevent damage.)

As an alternative for light and medium duty cleaning, soak the collection cell in Tridex for up to ten minutes and rinse with clean water. Tridex can be diluted from concentrate to save on costs or purchased as an already diluted option in smaller containers for convenience.

How It Works

An electronic air cleaner is designed to trap airborne particulate matter as it passes through a series of alternately charged aluminum plates. Periodically, these collecting components must be washed to remove deposits so the air cleaner can continue to operate at designed efficiencies. Some small ionizing/collecting cells may be removed for periodic manual cleaning. However, most modular ionizing/collecting cells for commercial and industrial air cleaners are designed with integral washing systems. Typically, a metered flow of liquid detergent and hot water is added during this cleaning cycle.

Features & Benefits

- Freeze-Thaw Stable
- Reasonable Low Foaming
- Effective in Hard or Soft Water
- Suspends Residue, Carbon Black Soots, Talc, Clay Dusts
- Economical to Use
- Good Rinsing Characteristics
- Buffered and Triple Inhibitor System for Brass / Aluminum Surfaces
- Safe Handling Characteristics
- Stable When Used with Hot or Cold Water
- Fast Acting in Penetrating, Lifting, and Dispersing Deposits
- Emulsifies Oils, Carbonized Tars, Grease, and Chemical Residues
- No Adverse Corrosive Effects to Air Cleaning Equipment

Applications

- Electronic Air Cleaners
- Air Conditioning Coils
- Aluminum Parts
- Pre-filters
- Range Hoods, Fans
- Registers, Dampers, Floors
- Stoves, Ovens, Grills

CAUTION: Tridex contains strong alkaline surfactants. Avoid contact with clothing, skin, and eyes. In case of contact with skin or eyes, wash exposed surface or flush immediately with water for 5 to 10 minutes. If irritation persists, get immediate medical attention. If swallowed, consume lemon, orange, or grapefruit juice and call a physician immediately. KEEP OUT OF REACH OF CHILDREN. See MSDS Sheet for additional details.

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Product Availability

Part No.	Packaged Size	Concentration	Appearance
265301-001	1 Gallon Container	10:1	Blue-Green
265301-101	4 (1) Gallon Containers	10:1	Blue-Green
265301-105	5 Gallon Container	10:1	Blue-Green
265301-1055	55 Gallon Drum	10:1	Blue-Green
265301-405	5 Gallon Container	4:1	Orange
265301-4055	55 Gallon Drum	4:1	Orange
265301-705	5 Gallon Container	2:1	Purple
265301-7055	55 Gallon Drum	2:1	Purple
265301-905	5 Gallon Container	Full Strength	Green
265301-9055	55 Gallon Drum	Full Strength	Green



Mixing Recommendations

While TRION® offers multiple sizes of each Tridex dilution, a cost effective option to reduce shipping costs and storage is to purchase more concentrated Tridex and mix your own required dilution at your location.

Examples:

- One 5 gallon container of full strength will make 55 gallons or 10:1 concentrate.
- One 55 gallon barrel of concentrate will make 275 gallons of 4:1 concentrate.

Please reference the Mixing Strategy table for additional dilution options.

Recommended Application Guide

Particulate	10:1 Concentration	4:1 Concentration	2:1 Concentration
Light Grease/Soil	x		
Heavy Grease/Soil		x	
Baked-on Grease/Soil			x
Dusts, Welding Fumes	x		
Tobacco Smoke/Tar Residues		x	x
Environmental Air Contaminates	x		
Wood Smoke & Residues		x	x

Mixing Strategies*

Full Strength	Water	2:1		Full Strength	Water	4:1		Full Strength	Water	10:1
55	+ 110	= 165		55	+ 220	= 275		55	+ 550	= 605
50	+ 100	= 150		50	+ 200	= 250		50	+ 500	= 550
20	+ 40	= 60		20	+ 80	= 100		20	+ 200	= 220
10	+ 20	= 30		10	+ 40	= 50		10	+ 100	= 110
5	+ 10	= 15		5	+ 20	= 25		5	+ 50	= 55
2:1	Water	4:1		2:1	Water	10:1		4:1	Water	10:1
55	+ 36.7	= 91.7		55	+ 146.7	= 201.7		55	+ 66	= 121
50	+ 33.3	= 83.3		50	+ 133.3	= 183.3		50	+ 60	= 110
20	+ 13.3	= 33.3		20	+ 53.3	= 73.3		20	+ 24	= 44
10	+ 6.7	= 16.7		10	+ 26.7	= 36.7		10	+ 12	= 22
5	+ 3.3	= 8.3		5	+ 13.3	= 18.3		5	+ 6	= 11

* All measurements are in gallons. Final appearance will vary.

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