TexPure®

Specially formulated solution for general maintenance of critical environments

Description

TexPure® is a surfactant-free, alcohol-free concentrated cleaning solution for general cleanroom maintenance. Specially formulated as an alternative to alcohol-based hard surface cleaners, TexPure is nonflammable[1] and biodegradable[2] and has less than 3% VOC content when diluted with deionized water.

TexPure's low surface tension effectively penetrates and removes organic soils and improves the wetting and removal of particles. Designed to prevent contamination from the solution while wet wiping walls, floors and work surfaces, TexPure has an ultralow residue and ion profile.

The concentrate is filtered to 0.2 µm and is cleanroom packaged in one-gallon polyethylene bottles. The bottles and caps are treated to prevent leaching. TexPure is designed to be diluted with ultrapure deionized water. The unique dispensing system, integral to the bottle, is designed for ease of dosing and to eliminate cross-contamination. One gallon of concentrate yields 33 gallons of cleaning solution.

[1] Based on 49 CFR U.S. Dept. of Transportation Regulations for the shipment of hazardous materials, Section 173.115, "flammable, combustible and pyrophoric liquids: definitions and preparations."

[2] Based on extrapolation of bioxidation measured in the dilution bottle biochemical oxygen demand (BOD) test published in Standard Methods for Water and Waste Water Analysis.

Features

- Less than 3% volatile organic compounds (VOCs) when diluted
- Surfactant free
- CFC free and HCFC free
- Integral dispensing system for easy unit dosing and elimination of cross-contamination
- Economical, cleanroom-packaged concentrate designed for 33-fold dilution with deionized water

Benefits

- Significantly lowers surface tension of deionized water for effective penetration and removal of organic soils; a 3% solution of TexPure offers the same surface tension reduction as 50% isopropyl alcohol with 16 times less VOC content
- Will not corrode or attack metals or plastic
- Considerably lower VOC content than isopropyl alcohol
- Ultralow trace metals
- Surface residue statistically equivalent to that of ultrapure DI water

Applications

- Ideal for general cleanroom maintenance of walls, floors, counter tops and other surfaces in critical environments
- Can be used in higher concentrations to remove tacky mat residues

Products

TX Number	Description	Packaging
TX160	TexPure® Alcohol-free cleaning concentrate	1 gallon bottle/bag 4 bottles/box

ITW Texwipe®

North America
300B Route 17 South
Mahwah, NJ 07430
Tel (800) TEXWIPE ext 120
(201) 684-1800 ext 120
Fax (201) 684-1801
www.texwipe.com
info@texwipe.com

Europe/Middle East
Skejby Nordlandsvej 307
DK-8200 Aarhus N
Denmark
Tel +45 87 400 220
Fax +45 87 400 222

Asia/Pacific
50 Tagore Lane
#02-01 Markono
Distri Centre
Singapore 787494
Tel +65 6468 9433
Fax +65 6468 6772

TexPure®

TX160

Performance Characteristics

Property	Measurement
Surface tension	32 dynes/cm^2*

*At use dilution = 3%

Contamination Characteristics

Property	Measurement
Surface residue	<5 ng/m^2

	Cations	(ppb)	Anions	(ppb)
Ion content of TexPure concentrate**	Aluminum (Al)	0.2	Acetate	<1
	Antimony (Sb)	<0.01	Chloride (Cl^-)	<1
	Arsenic (As)	<0.05	Fluoride (F^-)	<1
	Barium (Ba)	0.5	Nitrate (NO_3^-)	100
	Beryllium (Be)	<0.01	Phosphate (PO_4^{3-})	<1
	Bismuth (Bi)	<0.01	Sulfate (SO_4^{2-})	<1
	Boron (B)	1.1		
	Cadmium (Cd)	0.05		
	Calcium (Ca)	5		
	Chromium (Cr)	0.2		
	Cobalt (Co)	0.01		
	Copper (Cu)	0.8		
	Gallium (Ga)	<0.01		
	Germanium (Ge)	<0.01		
	Gold (Au)	<0.01		
	Iron (Fe)	0.6		
	Lead (Pb)	0.07		
	Lithium (Li)	<0.01		
	Magnesium (Mg)	1.2		
	Manganese (Mn)	0.06		
	Molybdenum (Mo)	0.05		
	Nickel (Ni)	0.4		
	Niobium (Nb)	<0.01		
	Platinum (Pt)	<0.03		
	Potassium (K)	15		
	Silver (Ag)	0.04		
	Sodium (Na)	250		
	Strontium (Sr)	0.01		
	Thallium (Tl)	<0.01		
	Tin (Sn)	0.05		
	Titanium (Ti)	0.2		
	Tungsten (W)	<0.01		
	Vanadium (V)	0.05		
	Zinc (Zn)	8.5		
	Zirconium (Zr)	<0.01		

**At use dilution of 3% will further reduce the ion content by a factor of 33

Effective: February 1999