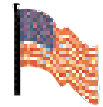


# Application Instructions Resque 2 Surface & Mat Cleaner



Made in America



Figure 1. Resque 2 Surface & Mat Cleaner:  
Item No. 96567, 1 quart, 12/case  
Item No. 96568, 2.5 gallon, bag-in-box

## Description

Resque 2 Surface & Mat Cleaner is a non-toxic liquid cleaner used to remove dust, grease, grime, fingerprints, and solder flux from all surfaces used in a static sensitive area. Resque 2 Surface & Mat Cleaner leaves no insulative residue, contains no alkali or ammonia, and is nonflammable.

## General Guidelines

Resque 2 Surface & Mat Cleaner is a liquid cleaner which can be used on a variety of surfaces, especially surfaces used in a static sensitive environment. Surfaces include but are not limited to: rubber, vinyl and polyethylene table and floor mats, field service kits, laminated table tops, tote boxes, epoxy, painted surfaces, plexiglass, glass, metal, 3-ring binders, computer screens, computer keyboards, shelving, push carts, conveyor belts, etc.

## Directions

### Smooth Surfaces:

Apply Resque 2 Surface & Mat Cleaner to the entire surface to be treated using either the pump or trigger spray bottle. Use a lint-free cloth to wipe the surface until dry. For set stains, let Resque 2 Surface & Mat Cleaner soak on the surface for 30 seconds before wiping clean.

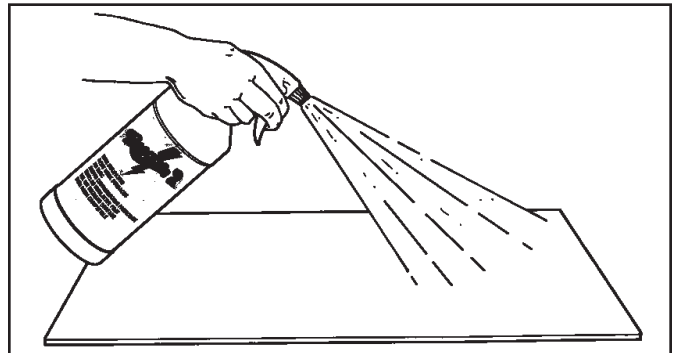


Figure 2. Item No. 96567, 1 Quart Trigger Spray

### Other Surfaces - Keyboards:

Dampen a lint-free cloth or a lint-free swab with Resque 2 Surface & Mat Cleaner. Wipe surface to be cleaned using either the cloth or swab. The swab will work best for tight spots like between keyboard keys. Use the cloth to wipe clean the remaining surfaces of the keyboard.

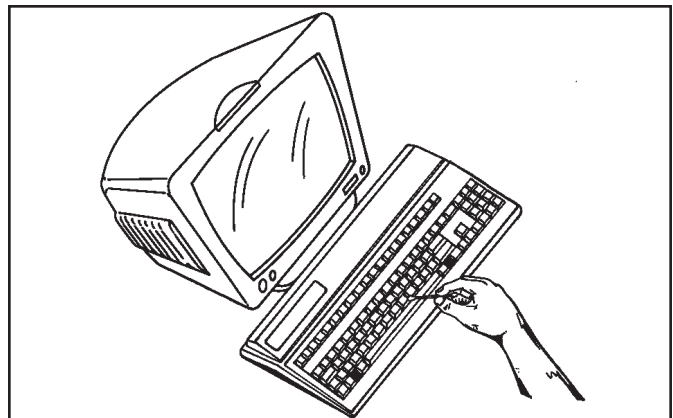


Figure 3. Cleaning a keyboard or computer screen with Resque 2 Surface & Mat Cleaner.

On non-ESD surfaces, SPI Westek recommends using Resque 2 Topical Antistat static dissipative coating. While coating is on the surface it will enhance existing ESD surfaces and will give dissipative electrical properties to insulative surfaces.

## Specifications

<b>Appearance of solution:</b>	Transparent green
<b>pH:</b>	6-8
<b>Odor:</b>	Slight floral
<b>Solubility:</b>	Water, acetone, alcohols
<b>Toxicity, Irritation, Sensitivity:</b>	Non-toxic by dermal contact, or inhalation
<b>Flammability:</b>	Non-flammable
<b>Ion Level:</b>	(mg/l)
	Fluoride 0.3
	Sulfate <0.5
	Nitrate 1.2
	Bromide <0.5
	Phosphate <0.5

### Electrical Properties (Dry Film):

Resistance, point to point (RTT):  
10<sup>8</sup> ohms (per ESD S4.1)  
Static Decay Rate:  
<.01 seconds (per FTMS 101C Method 4046)

## Testing

It is recommended to test the surfaces after cleaning to ensure that all insulative contaminants such as dirt and grime have been removed. Resque 2 Surface & Mat Cleaner was designed to leave behind a coating which has a surface resistance of 10<sup>8</sup> ohms or lower.

### FIELD TEST:

For quick and easy verification of surface resistance SPI Westek recommends the use of our 94055 Mini Meg Pocket Ohmmeter. For further detailed information on the Mini Meg ask for Technical Bulletin TB-5514. For testing of static fields, SPI Westek recommends the use of our 95420 Digital Static Field Meter. For detailed information on the Digital Field Meter ask for Technical Bulletin TB-5516.

## Features

- Cleans bench surfaces
- Leaves static dissipative layer on surface
- Non-toxic
- Non-streaking, quick drying
- Non-aerosol
- No CFC's - water based
- No alkali or ammonia
- Neutral pH
- Low Volatile Organic Solvents

**NOTE:** Resque 2 Surface & Mat Cleaner product does not have a set life span. The chemicals are not known to degrade over time when stored at the proper temperature conditions as stated in the Material Safety Data Sheet. We also recommend that this product be stored in its original container and be sealed when not in use.

## Limited Warranty

SPI Westek expressly warrants that for a period of one (1) year from the date of purchase, SPI Westek Resque 2 Surface & Mat Cleaner will be free of defects in material. Within the warranty period, the material will be replaced at SPI Westek's option, free of charge. Call our Customer Service Department at (909) 664-9986 for a Return Material Authorization (RMA) and proper shipping instructions and address. You should include a copy of your original packing slip, invoice, or other proof of purchase date. Any material under warranty should be shipped prepaid to the SPI Westek factory. Warranty replacements will take approximately two weeks.

## Warranty Exclusions

THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESSED AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY DISCLAIMED. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean or repair products.

## Limit of Liability

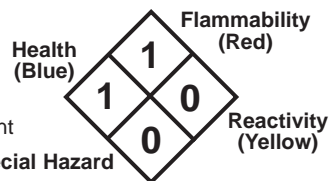
In no event will SPI Westek or any seller be responsible or liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, users shall determine the suitability of the product for their intended use, and users assume all risk and liability whatsoever in connection therewith.

## Material Safety Data Sheet

Material Safety Data Sheet maybe used to comply with EC, according to 91/155EC and ANSI Standard Z400.1-1998  
Date: June 27, 2003

## NFPA Designation 704

Degree of Hazard  
4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Insignificant



## RESQUE 2 SURFACE & MAT CLEANER

### 1. IDENTIFICATION OF THE PRODUCT and OF THE ENTERPRISE

**Chemical name:** Cleaner, ESD Surface & Mat

**Manufacturer:** SPI Westek  
3651 Walnut Avenue  
Chino, CA 91710  
U.S.A.

**Emergency** Phone: (909) 664-9986  
Fax: (909) 363-8193

### 2. INFORMATION ON INGREDIENTS/COMPOSITION

Ingredients	Weight	CAS-No.	TLV-value	R-Phrases
Trade secret#030507MA105	1-5%	non hazerdous	NE	
Isopropanol*	5-25%	67-63-0	400 ppm	R11
Water	60-100%	7732-18-5	NE	

\*Listed Chemical Subject To Reporting Requirement of SARA Section 313 of Title III

HMIS Rating	Health	1	Reactivity	0
	Flammability	1	Personal Protection	B

### 3. HAZARDS IDENTIFICATION

Eyes	A high concentration of liquid, mist, or vapor may cause irritation of the connective tissue.
Skin	Repeated or continuous contact may cause irritation of the skin.
Ingestion	none known
Inhalation	Irritation of nose, throat, and lack of breath. Exposure to vapors in high concentration may have same effect as with inhalation.

### 4. FIRST AID MEASURES

Eye Contact	Flush with water for at least 15 minutes.
Skin Contact	Wash with soap and water
Ingestion	DO NOT induce vomiting. Contact a physician.
Inhalation	Move subject to fresh air.

### 5. EXTINGUISHING MEASURES

Proper Extinguishing Media	Water
Protective Clothing	Wearing of appropriate protective equipment
Special Procedures	Cool containers with water

### 6. MEASURES TO EXPOSURE OF PRODUCT

Personal Precautions	Wearing protective clothing. Inhalation protection. Extinguish all ignition sources.
Environmental Precautions	Biodegradable
Cleaning Procedures	Dike and collect material into plastic container. Water rinse and drain, flush small amounts. Use sanitary landfill disposal. Follow state and local regulations (RCRA; Subtitle D).

### 7. HANDLING AND STORAGE

Handling	Use in well-ventilated areas; avoid breathing vapors. Keep containers closed when not in use. Avoid from freezing.
Storage	Storage Temperature: Max. 49°C/120°F-1°C/34°F Keep from freezing

### 8. EXPOSURE CONTROL/PERSONAL EXPOSURE

Control Parameters	TLV-value 400 ppm maximum for Isopropanol
Other Regulations	None
Measures For Technical Control	Preferences of technical measure to prevent or control contact with the product. Isolating process and personnel, mechanical ventilation (dilution and local exhaust) and the regulation of process conditions. In case of non-prevention or non-control, a proper protective wearing should be used.
Respiratory Protection	Wear MSHA/NIOSH approved respirator where exposure limits are exceeded
Hand Protection	Impervious/Neoprene Gloves
Eye Protection	Chemical Splash Goggles (ANSI Z-87.1)
Work/Hygienic Practices	Wash hands before eating, smoking, or using washroom facilities

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Clear Violet
Smell	Floral/Alcohol
pH	7.0-8.0
Boiling Point at °C	>200°F (100°C)
Melting Point at °C	N/A
Flash Point at °C	Noncombustible
Inflammability Limits (vol.% in air)	N/A
Solubility in water	Complete
VOC per Method 24 of EPA	1% VOC by wt.
Vapor Pressure (mmHg)	18.0
Vapor Density (air=1)	1.06
Density at 20°C	8.17 lbs./gal
Specific Gravity (H2O=1)	.98
Inflammability	Classification according to EC-regulations "non-flammable"
Ignition Temperature	N/A
Evaporation Rate	.28

## 10. STABILITY AND REACTIVITY

Stability/Reactivity	Stable product at normal conditions
Conditions to avoid	Temperatures above 49°C/120°F and below 1°C/34°F
Materials to avoid	Strong Oxidizers
Hazardous Decomposition	Thermal decomposition may yield carbon monoxide

## 11. TOXICOLOGICAL INFORMATION

All information refers to the main component Isopropanol

Acute toxicity	None Known
Special Effect	None Known

## 12. ECOLOGICAL INFORMATION

No environmental hazards have been reported or known.

Mobility	The product is aqueous and will be separated in aqueous conditions
Degradability	N/A
Bioaccumulation	Not likely
Ecotoxicity	None known
Reference to BimSchV	N/A
Hazard Classification	None Hazardous

## 13. DISPOSAL CONSIDERATIONS

Product	Dike and collect material into plastic container. Water rinse and drain, flush small amounts. Use sanitary landfill disposal. Follow state and local regulations (RCRA; Subtitle D).
Hazardous Waste Number	Nonregulated

## 14. TRANSPORT INFORMATION

This product is not classified for transport under ADR/IMDG regulations.

## 15. REGULATORY INFORMATION

Physical/Chemical Indication	Non-flammable
Risk-phrase	(R36/38): irritates eyes and skin
Safety Phrase	(S2): keep away from children, (S7): keep containers well closed, (S24/25): avoid contact with skin and eyes, (S62): if swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
EU Classification (67/548/EEC-88/379/EEC)	This product does not have to be classified according to the EU Regulations.
EINECS Status	All components are included in the EINECS Inventories

## 16. OTHER INFORMATION

Further Information	None Known
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### Disclaimer

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N/A = Not Applicable; NE = None Established