

MATERIAL SAFETY DATA SHEET

Cleaning Wipe (Model number W92G1004)

I. PRODUCT IDENTIFICATION		
MANUFACTURER'S NAME	TELEPHONE NO.	886-2-2202-2499
Precision Machine Co.,Ltd.	FAX NO.	886-2-2202-2657
ADDRESS NO. 118-15, Chyonglin S. Rd., Hsinchuang, Taipei Hsien, Taiwan, R.O.C.		
TRADE NAME		
SYNONYMS		

II PRODUCT USAGE & COMPONENTS	
USAGE OF PRODUCT	SEPARATE WET AND DRY TWIN PACK PADS FOR CLEANING MONITOR SCREENS, OPTICAL LENS AND CDs.
COMPONENT	MATERIAL
PACKING	METALLIC FOIL
TISSUE	NONWOVEN FIBRE
CLEANING SOLUTION	ISOPROPYL ALCOHOL, PURE WATER, ANTISTATIC

III TECHNICAL DATA OF NONWOVEN FIBRE	
COMPOSITION	100% VIS.
WEIGHT +/- 10%	45 g/m2
THICKNESS +/- 10%	0.43 mm
DENSITY	> 65
ABSORPTION CAPACITY	960 %
ETHER SOLUBLE SUBSTANCES	0.0011, < 30%
WATER SOLUBLE SUBSTANCES	0.003, < 0.70

IV HAZARDOUS INGREDIENTS OF CLEANING SOLUTION		
MATERIAL OF COMPONENT	%	HAZARD DATA
ISOPROPYL ALCOHOL	60	FLAMMABLE
PURE WATER	30	-----
ANTISTATIC	10	-----

V PHYSICAL DATA OF CLEANING SOLUTION			
BOILING POINT 760 MM HG	82.3 °C	MELTING POINT	- 86°C
SPECIFIC GRAVITY (H <sub>2</sub> O-1)	0.786	VAPOR PRESSURE	33 mm
VAPOR DENSITY (AIR-1)	2.1	SOLUBILITY IN H <sub>2</sub> O BY WT	100
% VOLATILES BY VOL	1	EVAPORATION RATE (BUTYL ACETATE-1)	2.2
APPEARANCE AND ODOR	Slight odor resembling that of a mixture of ethanol and acetone. Slightly bitter in taste (not potable!)		

VI PHYSICAL DATA OF CLEANING SOLUTION (ANTISTATIC)	
ZONYL	FSO
Ionic Type	Nonionic
Physical Form	Turbid Liquid
Percent Solids	50
Diluent	Water / Ethelene-Glycol, 25-25
Density, 25°C (77°F)	
g/ml (mg/m <sup>3</sup> )	1.35
lb/gal	11.2
Flash Point, Pensky Martens Closed Tester	

°C	> 93
°F	> 286
Aqueous Surface Tensions dyn/cm (mN/m)	
0.01% Solids	19
0.10% Solids	19

\*\* For product neutralized with sodium hydroxide to ph 7 – 8.

#### VII FIRE AND EXPLOSION DATA

FLASH POINT (TEST MEHTOD)	OPEN CUP	AUTOIGNITION TEMPERATURE	12°C		
FLAMMABLE LIMITES IN AIR. % BY VOL.		LOWER	2.0	UPPER	12
EXTINGUISHING MEDIA	As appropriate for combustibles in area.				
SPECIAL FIRE FIGHTING PROCEDURES	Addition of excess water will extract isopropyl alcohol and any form a flammable, supernatant layer. Self-contained breathing apparatus (scba) may be required if drums rupture and contents are spilled under fire conditions.				
UNUSUAL FIRE AND EXPLOSION HAZARD	Drums may purture under fire conditions. Decomposition may occur.				

#### VIII HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE	
ACUTE OVEREXPOSURE Will cause the eyes, noses, throats delicate stimulation.	
CHRONIC OVEREXPOSURE A long touch will cause us vomit dried skin.	
EMERGENCY AND FIRST AID PROCESDURES	
EYES	Wash with water. Contact a physician if necessary.
SKIN	Flush with water, wash with soap.
INHALATION	Remove to fresh air and contact a physician if necessary.
INGESTION	Drink several large glasses of water, call a physician
General Advice	Do not smoke while using, keep away from children, wash hands after using
NOTES TO PHYSICIAN	
Ingestion or inhalation of large quantities of the vapor may cause flushing, headache, dizziness, mental depression, nausea, vomiting, narcosis, anesthesia, coma. 100ml can be fatal.	

#### IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS	
OTHER HANDLING AND STORAGE REQUIREMENTS	
	<ul style="list-style-type: none"> <li>1 &gt;. Store in a cool place.</li> <li>2 &gt;. Flammable, Keep away from flame.</li> <li>3 &gt;. Avoid eyes contact.</li> <li>4&gt;. Do not apply on food, food container, or human body.</li> <li>5&gt;. Always keep the cap closed.</li> </ul>

PREPARED BY

ADDRESS

DATE