

# MATERIAL SAFETY DATA SHEET

Cleaning Wipe (Model W92G1006)

| 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  | ANTISTATIC CLEANING WIPES FOR GLASS SURFACE OF MONITOR, COPIER AND SCANNER. |
| COMPONENT         | MATERIAL  |
| UPPER CAP         | ABS   |
| BOTTLE            | PP  |
| TISSUE            | NONWOVEN FIBRE  |
| CLEANING SOLUTION | ISOPROPYL ALCOHOL, PURE WATER, ANTISTATIC                                   |

## III TECHNICAL DATA OF NONWOVEN FIBRE

|                          |                     |
|--------------------------|---------------------|
| COMPOSITION              | 100% VIS.           |
| WEIGHT +/- 10%           | 45 g/m <sup>2</sup> |
| 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.<br>Slightly bitter in taste (not potable!) |                                      |        |

## V 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.

## VI FIRE AND EXPLOSION DATA

|                                      |  |                             |       |     |       |    |
|--------------------------------------|--|-----------------------------|-------|-----|-------|----|
| FLASH POINT<br>(TEST MEHTOD)         | OPEN CUP   | AUTOIGNITION<br>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<br>PROCEDURES  | Addition of excess water will extract isopropyl alcohol and any form a flammable, supernatant layer.<br>Self-contained breathing apparatus (scba) may be required if drums rupture and contents are spilled under fire conditions. |                             |       |     |       |    |
| UNUSUAL FIRE AND<br>EXPLOSION HAZARD | Drums may purture under fire conditions.<br>Decomposition may occur.   |                             |       |     |       |    |

## VII 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. |   |

## VIII SPECIAL PRECAUTIONS

|  |   |
|--|---|
| PRECAUTIONARY<br>STATEMENTS                |   |
| OTHER HANDLING AND<br>STORAGE REQUIREMENTS |   |
|  | 1 >. Store in a cool place.<br>2 >. Flammable, Keep away from flame.<br>3 >. Avoid eyes contact.<br>4>. Do not apply on food, food container, or human body.<br>5>. Always keep the cap closed. |

PREPARED BY

ADDRESS

DATE