

## TECHNICAL DATA SHEET


**Product Code: WSWG37715**

### CONTENT






1. Product Features
2. Application/Usage
3. Product Description
4. Physical Properties
5. Performance Requirement (for individual use) AQL
6. EC Type Examination Certificate
7. User Information
8. Stamping
9. Chemical Resistance Chart
10. Packaging

Revision No.	Issue Date	Reason for Issue
0	November 18, 2009	First Issue

## TECHNICAL DATA SHEET

<b>Revision No</b> : 0 <b>Date</b> : November 18, 2009	<b>Product Code</b> : WSWG37715 <b>Brand</b> : WORKSafe																					
Manufactured By: PDS International Pte Ltd 10 Pandan Crescent, #05-03/04 (LL2), UE Tech Park, Singapore 128466 Telephone: (65) 6776 6200 Facsimile: (65) 6776 6882 E-mail : pds@safety.com.sg Website: www.safety.com.sg																						
<b>1. Product Features</b> <ul style="list-style-type: none"> <li>- Excellent resistance against chemicals, oils , fats, solvents and petroleum by products.</li> <li>- Superior cut, puncture and abrasion resistance.</li> <li>- Glove is silicon free.</li> </ul>																						
<b>2. Application/Usage</b> <ul style="list-style-type: none"> <li>- Mechanical Work</li> <li>- Degreasing</li> <li>- Wood treatment and finishing</li> <li>- Industrial maintenance</li> <li>- Handling of greasy and oily parts</li> <li>- Chemical processing</li> <li>- Car and motorcycle industries</li> <li>- Handling of pesticides</li> </ul>																						
<b>3. Product Description</b> <p style="text-align: center;"><b><u>Unsupported Nitrile Rubber Flocklined Gloves</u></b></p> <p>Main Component : Nitrile Rubber, Pigment, Zinc Oxide, Sulphur, Zinc Di-buthyl-dithiocarbamate, Titanium Dioxide, Polyacrylate, Auxiliaries.</p> <p>Finishing - External : Chlorinated          - Internal : 100% Cotton flocked</p> <p>Palm Pattern : Diamond Grip</p> <p>Colour : Green</p> <p>Length : 330 +/- 10 mm</p> <p>Thickness : 0.38 +/- 0.05 mm</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>Glove Size</td> <td>7</td> <td>8</td> <td>8 - 81/2</td> <td>9</td> <td>9 - 91/2</td> <td>10</td> </tr> <tr> <td>EN Size</td> <td>7</td> <td>8</td> <td>9</td> <td>9</td> <td>9</td> <td>10</td> </tr> <tr> <td>Palm Width</td> <td>94mm</td> <td>106mm</td> <td>117mm</td> <td>117mm</td> <td>117mm</td> <td>130mm</td> </tr> </table>		Glove Size	7	8	8 - 81/2	9	9 - 91/2	10	EN Size	7	8	9	9	9	10	Palm Width	94mm	106mm	117mm	117mm	117mm	130mm
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To refer certificate no: GB09/78917																				
<b>7. User Information</b>																				
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<b>8. Stamping</b>																				
Gloves to be stamped at the back of both hands																				
 WSWG37715 <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"></div> <div style="margin-right: 10px;">CE0120</div> <div style="margin-right: 10px;">SIZE</div> <div style="font-size: 24px;">9</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <small>EN388</small>    <small>4101</small> </div> <div style="text-align: center;"> <small>EN374-3</small>    <small>AJKL</small> </div> <div style="text-align: center;"> <small>EN374-2</small>   </div> </div>																				

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### 9. Chemical Resistance Chart

Chemical Name	CAS No	BT	P-I
Acetic Acid 99%	64-19-7	> 120	4
Acetone	67-64-1	< 10	0
Ammonia 10%	1336-21-6	> 480	6
Ammonia Acetate	631-61-8	> 480	6
Ammonia Chloride	12125-02-9	> 480	6
Ammonia Nitrate	6484-52-2	> 240	5
Calcium Chloride	10043-52-4	> 240	5
Calcium Hydroxide	1305-62-0	> 240	5
Calcium Hypochloride	7778-54-3	> 240	5
Calcium Nitrate	10124-37-5	> 480	6
Carbon Tetra Chloride	56-23-5	> 120	4
Chloroform	865-49-6	< 10	0
Citric Acid (Pure)	77-92-9	> 480	6
Cyclo-hexane	110-82-7	> 480	6
Cyclo-Hexano	108-93-0	> 480	6
Diesel Oil	68334-30-5	> 480	6
Diethylamine	109-89-7	> 60	3
Diethyether	60-29-7	> 60	3
DOP	117-84-0	> 480	6
Ethanol	64-17-5	> 240	5
Ethylene Glyco	107-21-1	> 480	6
Formaldehyde 30%	50-00-0	> 480	6
Formic Acid 90%	64-18-6	> 60	3
Glycerine	56-81-5	> 480	6
Glycol	111-46-6	> 480	6
Heptane	142-82-5	> 480	6
Hexane	110-54-3	> 480	6
Hydrochloric Acid (30%)	7647-01-0	> 240	5
Hydrofluoric Acid (14%)	7664-39-3	> 480	6
Hydrogen Peroxide 31%	7722-84-1	> 480	6
ISO-Propanol	67-63-0	> 480	6
Kerosene	8008-20-6	> 480	6
Methanol	67-56-1	> 60	3
Methylene Chloride	75-09-2	< 10	0
Methylethylketone (MEK)	78-93-3	< 10	0
Nitric Acid 20%	7697-37-2	> 480	6
Octane	111-65-9	> 480	6
Oleic Acid	112-80-1	> 480	6
Oxalic Acid (Pure)	144-62-7	> 480	6
Paraffin oil	8012-95-1	> 480	6
Phosphoric Acid (85%)	7664-38-2	> 480	6
Potassium Nitrate	7757-79-1	> 480	6
Potassium Phosphate	7758-11-4	> 480	6
Sodium Nitrate	7631-99-4	> 480	6
Sodium Sulphate	7757-82-6	> 480	6
Sodium Phosphate	7601-54-9	> 480	6
Sulphuric Acid 98%	7664-93-9	> 60	3
Tetrahydrofuran (THF)	109-99-9	< 10	0
Toluene	108-88-3	> 30	2

\*\*\* NT - Not Tested  
> - Greater than

Permeation Index	
< 10 minutes	0
> 10 minutes	1
> 30 minutes	2
> 60 minutes	3
> 120 minutes	4
> 240 minutes	5
> 480 minutes	6

#### WARNING:

This test data should not be used as the absolute basis for glove selection because gloves and actual in-use conditions may vary from the controlled conditions of laboratory tests. Factors other than chemical contact time, concentration and temperature, glove thickness and glove reuse, may also affect performance. The greater the potential hazard, the more important is to establish protection levels under condition that would more closely duplicate those of actual usage.

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### 10. Packaging

#### a) Packing style

- 12 pairs in a polybag.
- 12 polybags in a master carton.
- 144 pairs in a master carton

#### b) Carton Marking

- WORKSafe

#### c) Carton Dimension

- Length: 400 mm x Width: 260 mm x Height: 330 mm

#### d) Container Capacity

- 1 x 20ft : Approximately 625 cartons (90,000 pairs)
- 1 x 40ft : Approximately 1160 cartons (167,040 pairs)

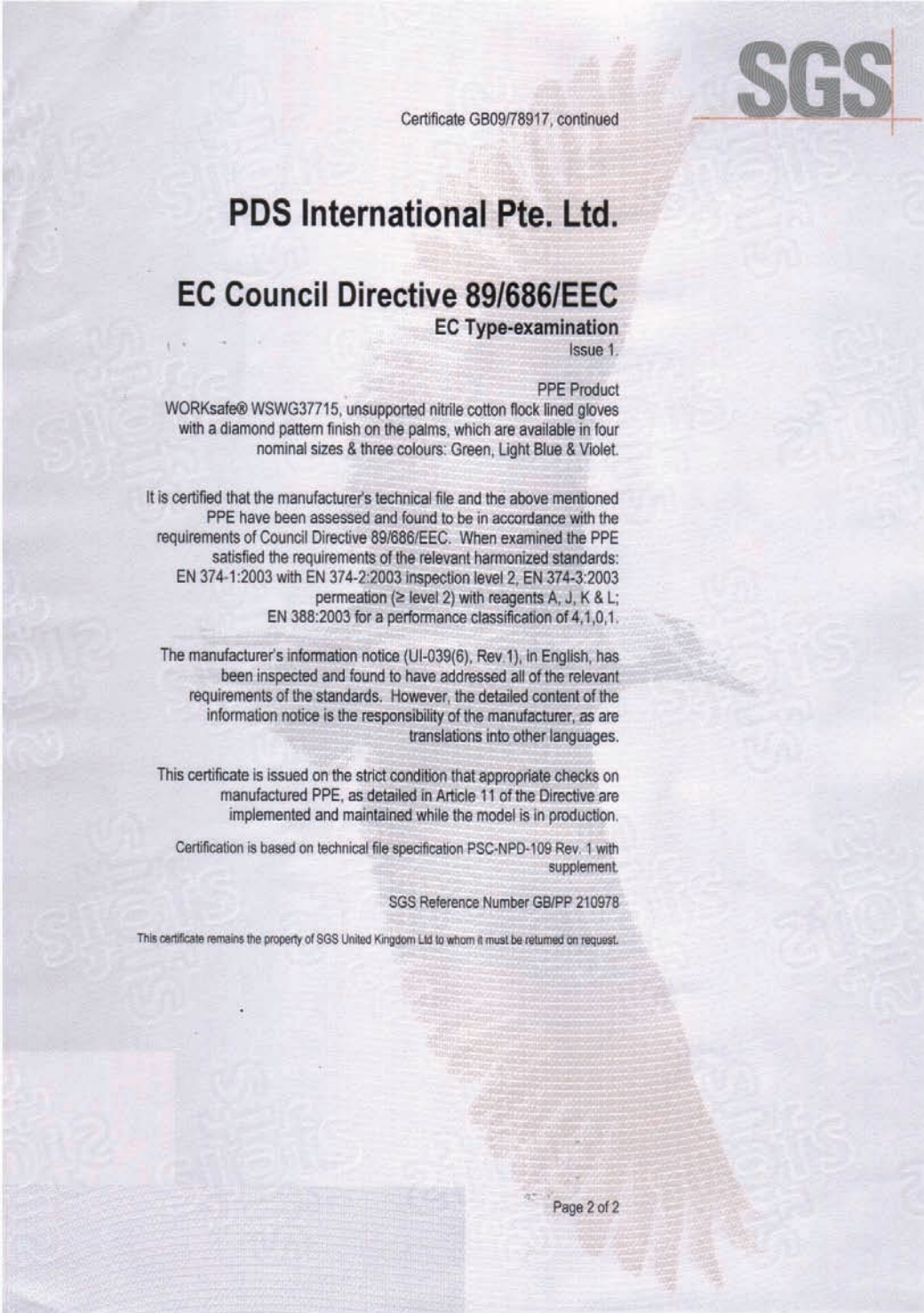
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**SGS**

Certificate GB09/78917, continued

**PDS International Pte. Ltd.**

**EC Council Directive 89/686/EEC**  
EC Type-examination  
Issue 1.

PPE Product  
WORKsafe® WSWG37715, unsupported nitrile cotton flock lined gloves  
with a diamond pattern finish on the palms, which are available in four  
nominal sizes & three colours: Green, Light Blue & Violet.

It is certified that the manufacturer's technical file and the above mentioned PPE have been assessed and found to be in accordance with the requirements of Council Directive 89/686/EEC. When examined the PPE satisfied the requirements of the relevant harmonized standards: EN 374-1:2003 with EN 374-2:2003 inspection level 2, EN 374-3:2003 permeation (≥ level 2) with reagents A, J, K & L; EN 388:2003 for a performance classification of 4,1,0,1.

The manufacturer's information notice (UI-039(6), Rev. 1), in English, has been inspected and found to have addressed all of the relevant requirements of the standards. However, the detailed content of the information notice is the responsibility of the manufacturer, as are translations into other languages.

This certificate is issued on the strict condition that appropriate checks on manufactured PPE, as detailed in Article 11 of the Directive are implemented and maintained while the model is in production.

Certification is based on technical file specification PSC-NPD-109 Rev. 1 with supplement

SGS Reference Number GB/PP 210978

This certificate remains the property of SGS United Kingdom Ltd to whom it must be returned on request.

Page 2 of 2

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### CE MARKING USERS INFORMATION

#### NITRILE UNSUPPORTED GLOVES

DOCUMENT NO. : UI 001  
REV : 0

CATEGORY: COMPLEX DESIGN

CE0120

#### PERFORMANCE DATA:

Reference	Finish	Colour	Size	EN Size	Length	Thickness	Performance Level EN 388	A J K L Performance Level EN 374-3	Performance Level EN 374-2
WSWG37715	Diamond	Green	7, 8, 9, 10	7, 8, 9, 10	330mm	0.38mm	4101	Methanol (A) : 2 Acetone (B) : 0 n. Heptane (J) : 6 Sodium Hydroxide 40% (K) : 6 Sulphuric Acid 96% (L) : 3 Glacial Acetic Acid : 2 Ammonia 25% : 4	2

Mechanical Hazards Pictogram, EN 388: the number refers to performance levels for (in order):  
Abrasion, Cut, Tear and Puncture Resistant

Chemical Hazards Pictogram, EN 374-3: 1. Additional information obtainable from manufacturer

Micro-Organism Hazards Pictogram, EN 374-2: Penetration Test: 1. Additional information obtainable from manufacturer

#### Further information can be obtained from PDS International Pte Ltd.

**Manufactured by:**  
PDS International Pte Ltd  
10 Pandan Crescent,  
#05-03/04 (LL2), UE Tech Park,  
Singapore 128466  
Telephone: (65) 6776 6200  
Facsimile: (65) 6776 6882  
Email: pds@safety.com.sg  
Website: www.safety.com.sg

**EC Type Examination by:**  
SGS United Kingdom Ltd.  
Ellesmere Port  
Cheshire,  
CH65 3EN,  
United Kingdom  
Notified Body Number: 0120

#### Instruction for use:

- 1) Choose the appropriate glove size to avoid hand fatigue.
- 2) It is recommended to visually check the glove condition intermittently during use. Discontinue use if serious physical (swelling) changes occurs.  
Note: Glove performance quoted based on laboratory data and may vary depending on the actual condition of use. The user should follow the instruction above during applications.
- 3) Turn the cuff down to avoid drainage of chemicals onto the arm.
- 4) Decontaminate the gloves thoroughly before attempting to reuse them.
  - i. In the cases of solvents, oils and chemicals, carefully shake off excess remains on the gloves and wipe over with a dry cloth.
  - ii. In cases of acids, alkalis and detergents, rinse the gloves under running water and then wipe over with a dry cloth before removing from hand.
- 5) It is recommended to hang dry the glove inside out (inverted). Avoid direct sunlight and heat drying (e.g. laundry dryer).
- 6) Before reusing the glove, check for snags and cracks.
- 7) Storage: Keep ideally at 15°C to 30°C and 40% to 65% RH (Room Humidity).