

## Alto 299

| Chemical Product                     | CAS #     | BTT (minutes) | Permeation level | Standard      | Degradatio level | Rating |
|--------------------------------------|-----------|---------------|------------------|---------------|------------------|--------|
| 2-Propanol (Isopropanol) 99%         | 67-63-0   | 64            | 3                | EN 374-3:2003 | NT               | NA     |
| Acetone 99%                          | 67-64-1   | 19            | 1                | EN 374-3:2003 | NT               | NA     |
| Dimethylformamide 99%                | 68-12-2   | 127           | 4                | EN 374-3:2003 | 4                | ++     |
| Ethanol 95%                          | 64-17-5   | 70            | 3                | EN 374-3:2003 | NT               | NA     |
| Hydrochloric acid 10%                | 7647-01-0 | 480           | 6                | EN 374-3:2003 | NT               | NA     |
| Hydrochloric acid 35%                | 7647-01-0 | 480           | 6                | EN 374-3:2003 | NT               | NA     |
| Methanol 99%                         | 67-56-1   | 42            | 2                | EN 374-3:2003 | NT               | NA     |
| Methyl Ethyl Ketone (2-Butanone) 99% | 78-93-3   | 11            | 1                | EN 374-3:2003 | NT               | NA     |
| n-hexane 95%                         | 110-54-3  | 2             | 0                | EN 374-3:2003 | NT               | NA     |
| N-N dimethyl acetamide 99%           | 127-19-5  | 41            | 2                | EN 374-3:2003 | NT               | NA     |
| Sodium hydroxide 20%                 | 1310-73-2 | 480           | 6                | EN 374-3:2003 | NT               | NA     |
| Sodium hydroxide 40%                 | 1310-73-2 | 480           | 6                | EN 374-3:2003 | NT               | NA     |
| Sodium hydroxide 50%                 | 1310-73-2 | 480           | 6                | EN 374-3:2003 | NT               | NA     |
| Styrene 99%                          | 100-42-5  | 9             | 0                | EN 374-3:2003 | NT               | NA     |
| Sulfuric acid 96%                    | 7664-93-9 | 155           | 4                | EN 374-3:2003 | NT               | NA     |
| Toluene 99%                          | 108-88-3  | 6             | 0                | EN 374-3:2003 | NT               | NA     |
| Xylene 99%                           | 1330-20-7 | 8             | 0                | EN 374-3:2003 | NT               | NA     |

\*not normalized result

### Overall Chemical Protection Rating

Protection rating is determined by taking into account the effects of both permeation and degradation in an attempt to provide users with an overall protection guideline when using our glove products against specific chemicals.

- Used for **high chemical exposure** or chemical immersion, limited to BTT based on a working day.
- Used for **repeated chemical contact**, limited to total chemical exposure i.e. : accumulative BTT based on a working day.
- **Splash protection only**, on chemical exposure the gloves should be discarded and new gloves worn as soon as possible.
- **Not recommended**, these gloves are deemed unsuitable for work with this chemical.

□ NT : Not tested

■ NA : Not applicable because not fully tested (only degradation OR permeation results)

The chemical test data and overall chemical protection rating should not be used as the absolute basis for glove selection. Actual in-use conditions may vary glove performance from the controlled conditions of laboratory tests. Factors other than chemical contact time, such as concentration and temperature, glove thickness and glove reuse, may also affect performance. Other glove requirements, such as length, dexterity, cut, abrasion, puncture and snag resistance, or glove grip also need to be considered in making your final selection.