

Appendix 1 - Comparison of Ingredient Concentration Disclosure and CBI Protection Requirements

| Example Ingredient Concentration | | Regulatory System | | | | | | | | | | | | | | |
|---|--|--|-------------------------------|---------------------------|---|--|--|---------------|----------|---------------|---|--|---------------|----------|---------|--------------|
| | | WHMIS 1988 (WHMIS before GHS) | WHMIS 2015 (GHS in Canada) | HCS 2012 (GHS in U.S.) | | | | | | | | | | | | |
| Chemical Name | Volume % | | | | | | | | | | | | | | | |
| Toluene | 17% | | | | | | | | | | | | | | | |
| Acetone | 32-41% | | | | | | | | | | | | | | | |
| Ingredient Concentration (No CBI) | Concentration (where concentration does not vary) | True Concentration <table border="1"><thead><tr><th>Chemical Name</th><th>Volume %</th></tr></thead><tbody><tr><td>Toluene</td><td>17%</td></tr></tbody></table> | Chemical Name | Volume % | Toluene | 17% | True Concentration <table border="1"><thead><tr><th>Chemical Name</th><th>Volume %</th></tr></thead><tbody><tr><td>Toluene</td><td>17%</td></tr></tbody></table> | Chemical Name | Volume % | Toluene | 17% | True Concentration <table border="1"><thead><tr><th>Chemical Name</th><th>Volume %</th></tr></thead><tbody><tr><td>Toluene</td><td>17%</td></tr></tbody></table> | Chemical Name | Volume % | Toluene | 17% |
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| Concentration Range (where concentration varies, e.g. batch-to-batch variability) | Standardized Concentration Range <table border="1"><thead><tr><th>Chemical Name</th><th>Volume %</th></tr></thead><tbody><tr><td>Acetone</td><td>30-60%</td></tr></tbody></table> | Chemical Name | Volume % | Acetone | 30-60% | True Concentration Range <table border="1"><thead><tr><th>Chemical Name</th><th>Volume %</th></tr></thead><tbody><tr><td>Acetone</td><td>32-41%</td></tr></tbody></table> | Chemical Name | Volume % | Acetone | 32-41% | True Concentration Range <table border="1"><thead><tr><th>Chemical Name</th><th>Volume %</th></tr></thead><tbody><tr><td>Acetone</td><td>32-41%</td></tr></tbody></table> | Chemical Name | Volume % | Acetone | 32-41% | |
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| CBI Protection | Concentration (where concentration does not vary) | "Trade Secret" and Registry Number (Range Optional) <table border="1"><thead><tr><th>Chemical Name</th><th>Volume %</th></tr></thead><tbody><tr><td>Toluene</td><td>Trade Secret*</td></tr></tbody></table> *HMIRA claim filed June 1, 2015, RN: 5555 | Chemical Name | Volume % | Toluene | Trade Secret* | "Trade Secret" and Registry Number (Range Optional) <table border="1"><thead><tr><th>Chemical Name</th><th>Volume %</th></tr></thead><tbody><tr><td>Toluene</td><td>Trade Secret*</td></tr></tbody></table> *HMIRA claim filed June 1, 2015, RN: 5555 | Chemical Name | Volume % | Toluene | Trade Secret* | "Trade Secret" (Range Optional) <table border="1"><thead><tr><th>Chemical Name</th><th>Volume %</th></tr></thead><tbody><tr><td>Toluene</td><td>Trade Secret</td></tr></tbody></table> | Chemical Name | Volume % | Toluene | Trade Secret |
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| Alignment of Canada / U.S. Requirements | | Aligned | Distinct But Complementary | Not Aligned | Volume % True Concentration / True Concentration Range Disclosed | Volume % CBI Protected | | | | | | | | | | |