

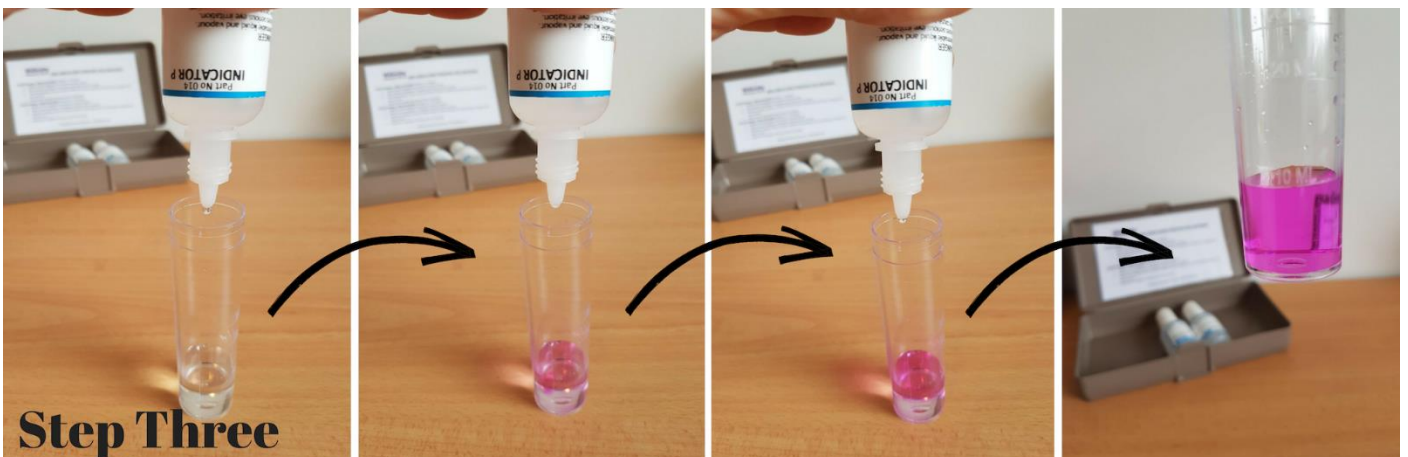
**How to Perform a Titration for Alkaline (Hi pH) Chemicals**

**Step One:** Rinse the sample vial with the test solution.

**Step Two:** Fill the test tube to the **10 ml** mark with the solution to be tested.



**Step Three:** Add 3-5 drops of Indicator P (#014). Mix.



Continued next page

## How to Perform a Titration for Alkaline (Hi pH) Chemicals

**Step Four:** Titrate with reagent 1.0N Hydrochloric Acid (#085) one drop at a time, counting and mixing between each drop until the solution changes from **pink to colourless**.



**Step Four**

**Step Five:** Record number of drops.

**Step Six:** Consult Product Specification Sheet (PSR) to calculate product concentration. PSR's for all Velocity Vehicle Care products are available for download at [www.velocityvehiclecare.com](http://www.velocityvehiclecare.com)

<p><b>Zep/vehicleCare</b></p> <p><b>Product Specification Report</b></p> <p><b>BLUE CORAL® AHS HI pH 3100</b> PAGE 1 OF 2</p> <p><b>CLASSIFICATION:</b></p> <ul style="list-style-type: none"> <li>High pH Prep/Presoak/Cleaner products</li> </ul> <p><b>PRODUCT DESCRIPTION:</b></p> <ul style="list-style-type: none"> <li>Highly concentrated foaming alkaline liquid designed for touchless washing</li> <li>Can be used for in-Bay as alkaline presoak or presoak in tunnel operations</li> <li>Soft water is recommended for dilution water of AHS HI pH 3100</li> <li>Recommended to be used in second presoak arch during warm weather months</li> </ul> <p><b>FEATURES &amp; BENEFITS:</b></p> <ul style="list-style-type: none"> <li>Aggressively cleans asphalt oils, road film, brake dust, oil, and grease</li> <li>Free rinsing</li> <li>Aids drying</li> <li>Enhances shine</li> </ul> <p><b>PHYSICAL CHARACTERISTICS:</b></p> <ul style="list-style-type: none"> <li>Form: Liquid</li> <li>Color: Amber</li> <li>Solvent: Solvent</li> <li>Foam: High foaming</li> <li>pH (1%): 12</li> <li>Specific Gravity: 1.025</li> <li>Pounds per US Gallon: 10.71</li> <li>Kilograms per Liter: 1.265</li> <li>Hard Water Tolerance: Soft water recommended</li> <li>Biodegradability: Complete biodegradable</li> </ul> <p><b>PACKAGE SIZES &amp; PRODUCT NUMBERS:</b></p> <table border="1"> <thead> <tr> <th>Size Available</th> <th>Product Number</th> </tr> </thead> <tbody> <tr> <td>2.5 US GAL (9.5 L)</td> <td>V19451</td> </tr> </tbody> </table>	Size Available	Product Number	2.5 US GAL (9.5 L)	V19451	<p><b>BLUE CORAL® AHS HI pH 3100 (cont.)</b> Page 2 of 2</p> <p><b>APPLICATION GUESTURE INSTRUCTIONS:</b></p> <p><b>Recommended Dilutions:</b></p> <table border="1"> <thead> <tr> <th>Application</th> <th>Ratio</th> </tr> </thead> <tbody> <tr> <td>Conveyor Presoak</td> <td>1:375-750</td> </tr> <tr> <td>HPA Presoak</td> <td>1:100-150</td> </tr> </tbody> </table> <p><b>TITRATION PROCEDURE:</b></p> <p><b>TITRATION PROCEDURE- ZEP COMBINATION TEST KIT (SKUM - KT5700)</b></p> <ol style="list-style-type: none"> <li>Fill plastic vial to the 10ml mark with solution to be tested.</li> <li>Add 3 drops of Phenolphthalein Indicator (SKUM - KT570001); solution will turn purple.</li> <li>Titrate drop by drop with Sulfuric Acid 0.5N (SKUM - KT570007). Mix after each drop, and count the drops until the solution turns clear.</li> <li>A water blank is not needed with this titration test.</li> </ol> <p><b>TITRATION CHART:</b></p> <table border="1"> <thead> <tr> <th>RATIO</th> <th>SML Drops</th> <th>TITML Drops</th> </tr> </thead> <tbody> <tr> <td>1:750</td> <td>3</td> <td>3</td> </tr> <tr> <td>1:500</td> <td>4</td> <td>4</td> </tr> <tr> <td>1:375</td> <td>5</td> <td>5</td> </tr> <tr> <td>1:300</td> <td>6</td> <td>6</td> </tr> <tr> <td>1:225</td> <td>8</td> <td>8</td> </tr> <tr> <td>1:150</td> <td>10</td> <td>10</td> </tr> <tr> <td>1:100</td> <td>12</td> <td>12</td> </tr> <tr> <td>1:75</td> <td>15</td> <td>15</td> </tr> <tr> <td>1:50</td> <td>18</td> <td>18</td> </tr> <tr> <td>1:25</td> <td>25</td> <td>25</td> </tr> </tbody> </table> <p><b>HEALTH, SAFETY, STORAGE &amp; FIRST AID INFORMATION:</b> See Product SDS</p> <p><small>Distributed in Australia and New Zealand by: Velocity Vehicle Care Pty Ltd 27-33 Tottenham Parade, Tottenham VIC 3012, AUSTRALIA 1300 990 074 psr@velocityvehiclecare.com www.velocityvehiclecare.com</small></p> <p><small>Zep Vehicle Care Inc. 2930 Waters Road, Suite 220 Eagan, MN 55121, USA</small></p> <p><small>© 2014 Zep Vehicle Care Inc. Issue Date: 10/2014</small></p>	Application	Ratio	Conveyor Presoak	1:375-750	HPA Presoak	1:100-150	RATIO	SML Drops	TITML Drops	1:750	3	3	1:500	4	4	1:375	5	5	1:300	6	6	1:225	8	8	1:150	10	10	1:100	12	12	1:75	15	15	1:50	18	18	1:25	25	25
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