

**SIDS INITIAL ASSESSMENT PROFILE**

<b>CAS No.</b>	<b>102-71-6</b>
<b>Chemical Name</b>	<b>Triethanolamine</b>
<b>Structural Formula</b>	<b>(HOCH<sub>2</sub>CH<sub>2</sub>)<sub>3</sub>N</b>
<b>CONCLUSIONS AND RECOMMENDATIONS</b>	
<p><input checked="" type="checkbox"/> presently of <u>low priority for further work</u></p> <p><input type="checkbox"/> <u>requiring further information to assess identified concerns</u></p> <p><input type="checkbox"/> candidate for in-depth <u>risk assessment</u> with a view to possible risk reduction activities</p>	
<b>SHORT SUMMARY WHICH SUPPORTS THE REASONS FOR THE CONCLUSIONS AND RECOMMENDATIONS</b>	
<p><u>Environment</u> - Triethanolamine is likely to be released mainly to water, where it may biodegrade. Transfer to other environmental compartments is likely to be limited.</p> <p>Triethanolamine is of low toxicity to fish, <i>Daphnia</i> and algae. Several potential release sources of triethanolamine have been identified. The PECs derived for release of triethanolamine from production are greater than the MTC and PNEC, indicating that further work may be needed to refine the assessment. The PECs derived for use of triethanolamine in metal working fluids are less than the MTC and PNEC, and indicate that triethanolamine does not pose a risk to aquatic organisms for this use.</p> <p>Triethanolamine is a basic compound, thus if it is released to water in large quantities, effects on the pH of the receiving water might be expected.</p> <p><u>Human health</u> - Triethanolamine is of low toxicity following single exposures. There were some signs of systemic toxicity at high exposure levels, and mild skin irritation following repeated exposures using the dermal route. It is not genotoxic, carcinogenic or toxic to development or the reproductive system.</p>	
<b>NATURE OF FURTHER WORK RECOMMENDED</b>	
<p>No further toxicity testing is required.</p> <p>Further information would help to refine the exposure assessment:</p> <ul style="list-style-type: none"> <li>- data from production sites in other countries</li> <li>- more information relating to occupational exposure and the use of triethanolamine in consumer products.</li> </ul>	