Substance: 2-methyl-2-butanol

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled ☐
- Not Controlled  ✔

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

- The substance is not similar to any of the substances listed in the Schedules to the CDSA.

Prepared by: ____________________________ Date: Feb 4th 2011
Evelyn Soo

Verified by: ____________________________ Date: _________
Marianne Tang

Approved by: ____________________________ Date: _________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Tanya Arcand
Drug Status Report

Drug: 2-methyl-2-butanol

Drug Name Status: Amylene hydrate is the common name.

Chemical Name: 1,1-dimethyl-1-propanol

Other Names: tert-amyl alcohol; tert-pentyl alcohol

Chemical structure:

\[
\begin{align*}
\text{HO} & \quad \text{CH}_3 \\
\text{H}_3\text{C} & \quad \text{H} \\
\text{H} & \quad \text{CH}_3
\end{align*}
\]

Molecular Formula: C₅H₁₀O

Pharmacological class / Application: Fine chemical

CAS-RN: 75-85-4

International status:
US: 2-methyl-2-butanol is not listed specifically in the Schedules to the US Controlled Substances Act and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed specifically on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 2-methyl-2-butanol is not listed specifically in the CDSA. The substance is generally used as a solvent in organic reactions and is not similar in structure to any of those listed in the schedules to the CDSA.

Recommendation: 2-methyl-2-butanol is not included in the schedules to the CDSA and is not a controlled substance.

Date: 4 February 2011