STATUS DECISION OF CONTROLLED AND NON-CONTROLLED SUBSTANCE(S)

Substance: 1,3-Butylene glycol

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):

- 1,3-Butylene glycol is not similar to any of the substances listed in the CDSA.

Prepared by: ________________________________ Date: February 7th, 2012
Evelyn C Soo

Verified by: ________________________________ Date: __________
Mark Kozlowski

Approved by: ________________________________ Date: __________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Nisrine Haddad, OCS
Drug Status Report

**Drug:** 1,3-Butylene glycol

**Drug Name Status:** 1,3-Butylene glycol is the common name

**Chemical Name:** 1,3-Butanediol

**Other Names:** 1-Methyl, 1,3-propanediol; Butaine-1,3-diol; Butylene glycol.

**Chemical structure:**

\[
\text{HO} \quad \text{HO}
\]

**Molecular Formula:** \(C_4H_{10}O_2\)

**Pharmacological class / Application:** Fine chemical

**CAS-RN:** 107-88-0

**International status:**

US: 1,3-Butylene glycol is not listed in the *US Controlled Substances Act* and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances Under International Control.

Canadian Status: 1,3-Butylene glycol is not listed in the schedules to the CDSA. The substance is widely used in cosmetic products and pharmaceuticals for its antibacterial and antifungal properties\(^1\) and it is not structurally similar to any of the substances included in the schedules to the CDSA.

**Recommendation:** 1,3-Butylene glycol is not included in any of the Schedules to the CDSA and is not a controlled substance.

**Date:** February 7th, 2012.

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