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

Substance: Cyclobutanone

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 does not display any structural similarity to those included in the schedules to the CDSA.

Prepared by: __________________________  Date: January 27th, 2012
Evelyn C Soo

Verified by: __________________________  Date: __________
Mark Kozlowski

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

This status was requested by: Andree Bernard
Drug Status Report

**Drug**: Cyclobutanone

**Drug Name Status**: Cyclobutanone is the common name.

**Chemical Name**: Cyclobutanone

**Chemical structure**:

![Chemical structure of Cyclobutanone](image)

**Molecular Formula**: C₄H₆O

**Pharmacological class / Application**: Fine Chemical

**CAS-RN**: 1191-95-3

**International status**:

US: Cyclobutanone is not listed in the schedules to the US *Controlled Substances Act* and is not mentioned 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: Cyclobutanone is not listed in the schedules to the CDSA. The substance is used frequently in organic synthesis reactions and does not display any structural similarity to the substances listed in the CDSA.

**Recommendation**: Cyclobutanone is not included in the schedules to the CDSA and is not a controlled substance.

**Date**: January 27th, 2012.