



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

Substance: Butyric anhydride

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 a starting material in the synthesis of 2-(methylamino)-3,4'-(methylenedioxy)butyrophenone and is not similar in structure to any of the substances listed in the CDSA.

Prepared by: _____ Date: October 19th 2010
Evelyn C Soo

Verified by: _____ Date: _____
Marianne Tang

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: "third party information removed as per agreement with applicant"

Drug Status Report

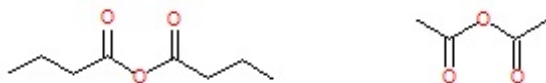
Drug: Butyric anhydride

Drug Name Status: Butyric anhydride is the common name.

Chemical Name: Butanoic acid, 1,1'-anhydride

Other Names: Butanoic acid, anhydride

Chemical Structure:



Molecular Formula: C₁₀H₁₈O₃

CAS-RN: 106-31-0

Pharmacological class / Application: Fine chemical

International status:

US: The substance is not listed specifically in the CSA and is not mentioned anywhere on the DEA website.

United Nations: The substances 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: Butyric anhydride is reported to be starting material in the synthesis of 2-(methylamino)-3,4'-(methylenedioxy)butyrophenone and is not currently listed in the CDSA. The substance shows some structural similarity to acetic anhydride but cannot be included under item 1 of Part A of Schedule VI to the CDSA.

Recommendation: Butyric anhydride is not included in the schedules to the CDSA and is not a controlled substance nor a precursor chemical.

Date: October 19th 2010