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

Substance: Methyl isocyanate

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

Controlled ☐
Not Controlled X

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

- The substance is not structurally similar to any of those listed in the CDSA.

Prepared by: ________________________________ Date: ________________

Vincent Marleau

Verified by: ________________________________ Date: ________________

Mark Kozlowski

Approved by: ________________________________ Date: ________________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Martin McLean, OCS
Drug Status Report

Drug: Methyl isocyanate

Drug Name Status: Methyl isocyanate is the common name.

Chemical Name: Isocyanic acid, methyl ester

Other Names: MIC; Iso-cyanatomethane; Methyl isocyanide; CCRIS 1385; EINECS 210-866-3.

Chemical structure:

\[
\begin{array}{c}
O \\
\hline
C \equiv N
\end{array}
\]

Molecular Formula: \(C_2H_3NO\)

Pharmacological class / Application: Fine chemical

CAS-RN: 624-83-9

International status:

US: Methyl isocyanate 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 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: Methyl isocyanate is not listed in the Schedules to the CDSA. The substance is a very toxic chemical agent used industrially in the production of pesticides.\(^1\) Although the substance is very dangerous, it is not structurally similar to any of those included in the Schedules to the CDSA.

Recommendation: Methyl isocyanate is not included in the schedules to the CDSA and is not a controlled substance.

Date: September 17\(^{th}\), 2012.