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

Substance: (Trimethylsilyl)diazomethane

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 similar in structure to any of those included in the schedules to 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:** (Trimethylsilyl)diazomethane

**Drug Name Status:** (Trimethylsilyl)diazomethane is the common name.

**Chemical Name:** Silane, (diazomethyl)trimethyl-

**Other Names:** Diazo((trimethylsilyl))methane; Diazomethyltrimethyl silane; (diazomethyl)trimethylsilane; TMSCHN2; TMSD.

**Chemical structure:**

![Chemical Structure Diagram]

**Molecular Formula:** C\(_4\)H\(_{10}\)N\(_2\)Si

**CAS-RN:** 18107-18-1

**Pharmacological class / Application:** Fine chemical

**International status:**

US: (Trimethylsilyl)diazomethane 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: (Trimethylsilyl)diazomethane is not listed in the schedules to the CDSA. The substance is an industrial reagent used in organic syntheses\(^1\) and is not structurally similar to those included in the schedules to the CDSA.

**Recommendation:** (Trimethylsilyl)diazomethane is not included in the schedules to the CDSA and is not a controlled substance.

**Date:** October 9th, 2012.

---