Health Canada Santé Canada

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

Substance: Ethylamine

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 not similar to any of the substances included in the schedules to the CDSA.

Prepared by: _____ Date: Nov 25th 2010
Evelyn Soo

Verified by: _____ Date: _____
Marianne Tang

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

This status was requested by: Reem Mahmoud

Drug Status Report

Drug: Ethylamine

Drug Name Status: Ethylamine is the common name.

Chemical Name: 1-Aminoethane

Other Names: Ethanamine; Monoethylamine

Chemical structure:

Molecular Formula: C_2H_7N

CAS-RN: 75-04-7

Pharmacological class / Application: Fine chemical

International status:

US: Ethylamine is currently considered a List 1 Regulated Chemical.

United Nations: The substances are 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: Ethylamine is a substance that is considered to be a biogenic amine and is naturally-occurring in foods such as fruits, vegetables, wine, milk, fish and cheese[1]. The substance is also used as an intermediate the manufacture of pesticides, pharmaceuticals, dyes and catalysts[2]. Ethylamine is not currently listed in the CDSA and is not similar to any of the substances included in the schedules to the CDSA.

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

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[1]Mayer, HK. *et al*. (2010) A new ultra-pressure liquid chromatography method for the determination of biogenic amines in cheese, J. Chromatogr. A. (2010) **1217**:3251-3257.

[2]Sacher, F. *et al.* (1997) Analysis of primary and secondary aliphatic amines in waste water and surface water by gas chromatography-mass spectrometry after derivatization with 2,4-dinitrofluorobenzene or benzenesulfonyl chloride, J. Chromatogr. A. **764**:85-93.

Date: 25 November 2010