



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

Substance: Epoxidized Soybean Oil

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 to any of the substances included in the schedules to the CDSA.

Prepared by: Evelyn Soo Date: Dec 3rd 2010

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

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

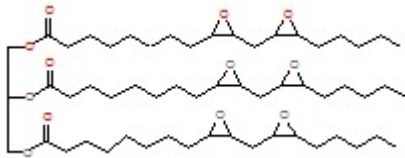
Drug Status Report

Drug: Epoxidized Soybean Oil

Drug Name Status: Epoxidized Soybean Oil is the common name.

Chemical Name: 2,3-bis[8-[3-[(3-pentylloxiran-2-yl)methyl]oxiran-2-yl]octanoyloxy]propyl 8-[3-[(3-pentylloxiran-2-yl)methyl]oxiran-2-yl]octanoate

Chemical structure:



Molecular Formula: $C_{57}H_{98}O_{12}$

CAS-RN: 8013-07-8

Pharmacological class / Application: Plasticizer

International status:

US: Epoxidized Soybean Oil is not currently listed 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: Epoxidized Soybean Oil is a plasticizer used as an additive to polyvinyl chloride plastics (PVC)¹ and is not currently listed in the Schedules to the CDSA, nor similar to any of the substances included in the schedules to the CDSA.

Recommendation: Epoxidized Soybean Oil is not included in the schedules to the CDSA and is not a controlled substance.

Date: 3 December 2010

¹Fankhauser-Noti, A. et al. (2005) Epoxidised soy bean oil (ESBO) migrating from the gaskets of lids into food packed in glass jars, *Eur. Food. Res. Tech.* **221**:416-422.