Chemistry Report for Case # P-23-0064 (Version 1)

General

Submitter: [redacted]

Contact: [redacted] **Contact Telephone No.:** [redacted]

TS No.: RX632X

Chemist: T. Butler **Contractor Support:**

PV Init (kg/yr): [redacted] **PV Max (kg/yr):** [redacted]

Binding Option: ☐ **Exposure-Based Review** [redacted]

Manufacture: ☑ **Import:** ☐

Chemical ID

CAS Number [redacted]

Chemical Name [redacted]

Trade Name: [redacted]

IES Order:459446

Generic Name: Alkanediol, substituted, polymer with diisocyanatoalkane, substituted heterocycle-modified

Chemistry Assessor: Tristan Butler

Chemical Structure

[redacted]

Physical Chemical Properties

Molecular Formula [redacted]

Molecular Weight [redacted]

% < 500 [redacted]

% < 1000: [redacted]

MP:

MP Estimate:

BP:

BP Pressure:

BP Estimate: Dec. 138

VP (Torr):

VP Estimate (Torr):<0.000001

Water Solubility (g/L):

Water Soluble Estimate (g/L): Reacts

Log P:

Log P Estimate:

Physical State — Neat:
Solid (est)

Physical State — Manuf:
Solution: [redacted] % PMN substance with [redacted]

Physical State — Processing:
Solution: [redacted] % in [redacted]; Solution: [redacted] % in [redacted]

Physical State — End Use:
Destroyed; PMN substance entrained in dried adhesive, then Destroyed

Additional Chemical Info:
The structures as drawn are representative. The submitter states that they are making two grades of the PMN substance. [redacted]

[redacted] From the SDS for this [redacted] product, it consists of [redacted] % [redacted] [on public TSCA inventory]. The PMN substance is only based on the [redacted] {on public inventory}.

Submitted Data: None. The three MSDSs provided in the submission are for formulations of the PMN substance.

MW NAVG = [redacted] with [redacted] % < 500 and [redacted] % < 1000, by GPC. The GPC data is both for the PMN substance and for the coproduct CASRN [redacted], since they cannot be separated. It is most likely that both have similar molecular weight profiles.

Estimated Data: Decomposes at ca. 138°C [submitter states that [redacted] VP < 0.000001 torr [High MW]; WS = reacts [redacted]]. The [redacted] FGEW = [redacted] assuming that for [redacted]

Uses

Consumer Use? [redacted]

Intended Uses (ICB):

Intended use: [redacted]

Isocyanate FGEW = [redacted]

Analogues (same use): [redacted]

Patents (same use): none.

Other Uses:

Analogues (other use): [redacted]

Analogues (same use and other use): none.

Patents (other use): none.

Reaction Description

[redacted]

Pollution Prevention Analysis(P2 Analysis:)

None.

Analogs

Analogues:	[redacted]

Comments/Telephone Log

Attachments	Update/Upload Time	Update/Upload By

Historic Documents

Attachments	Version Number	Updated/Uploaded Time	Updated/Uploaded By

Current Version Comments

Comment	Update/Upload Time	Update/Upload By