Chemistry Report for Case # P-18-0098

General

Submitter: Allnex USA Inc.

Contact: Daniel Liebowitz   **Contact Telephone No.:** (203) 834-0426

TS No.: CR18A2

Chemist: Lin, D.   **Contractor Support:** Y

PV Init (kg/yr): ███████   **PV Max (kg/yr):** ███████

Binding Option: ☐   **Exposure-Based Review:** ■

Manufacture: ☐   **Import:** ☑

CAS Number: ███████

Chemical Name ███████████

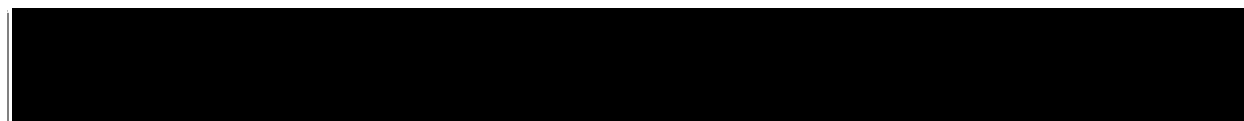**Trade Name:** ADDITOL® XL 6577 coating additives

IES Order: 414683

Generic Name: Polyphosphoric acids,
polymers with (alkoxyalkoxy)alkanol and substituted
heteromonocycle

Chemical Structure

Physical Chemical Properties

Molecular Formula: ███████   **Molecular Weight:** 1086.00

% < 500: 10.33   **% < 1000:** 32.98

MP: **MP Estimate:**

BP:	**BP Pressure:**
BP Estimate:>400	
VP (Torr):	**VP Estimate (Torr):**<0.000001
Water Solubility (g/L):	**Water Soluble Estimate (g/L):**Dispersible
Log P:	**Log P Estimate:**
Physical State — Neat: Solid (est.)	**Physical State — Manuf:**NK: Imported

Physical State — Processing: Solution: ▉% in formulation, then Dispersion; 1-5% in coating formulation
Physical State — End Use: Solid:
PMN substance entrained in dried/cured coating

Additional Chemical Info

MW
NAVG = 1086 with 10.33% < 500 and 32.98% < 1000, by GPC. Submitted Data: Insoluble in water (Exp.); density = 1.029 g/cm3. The MSDS is for a solution of the PMN substance in hydrocarbon/ester solvents, and the experimental water solubility above appears to be taken from this document. Estimated Data: BP > 400°C (High MW); VP < 0.000001 torr (High MW); WS = dispersible (structure as a worst case, and analogs). According to Aldrich, the ▉▉▉

Uses

Consumer Use? Yes
Use:	Pigment dispersant for coatings. All analogs are ▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉▉
Other Uses:	No other uses found.

Reaction Description

The
PMN substance is imported and a detailed manufacturing scheme is not provided by the submitter. The above scheme is based on the list of feedstocks shown on p.5 of the submission. ▉▉▉▉▉▉▉▉▉▉▉

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Pollution Prevention Analysis(P2 Analysis:)

None.

Analogs

Analogs:
██████████████████████

Comments/Telephone Log

Artifact	Update/Upload Time
████████	████████