

## Chemistry Report for Case # P-20-0022

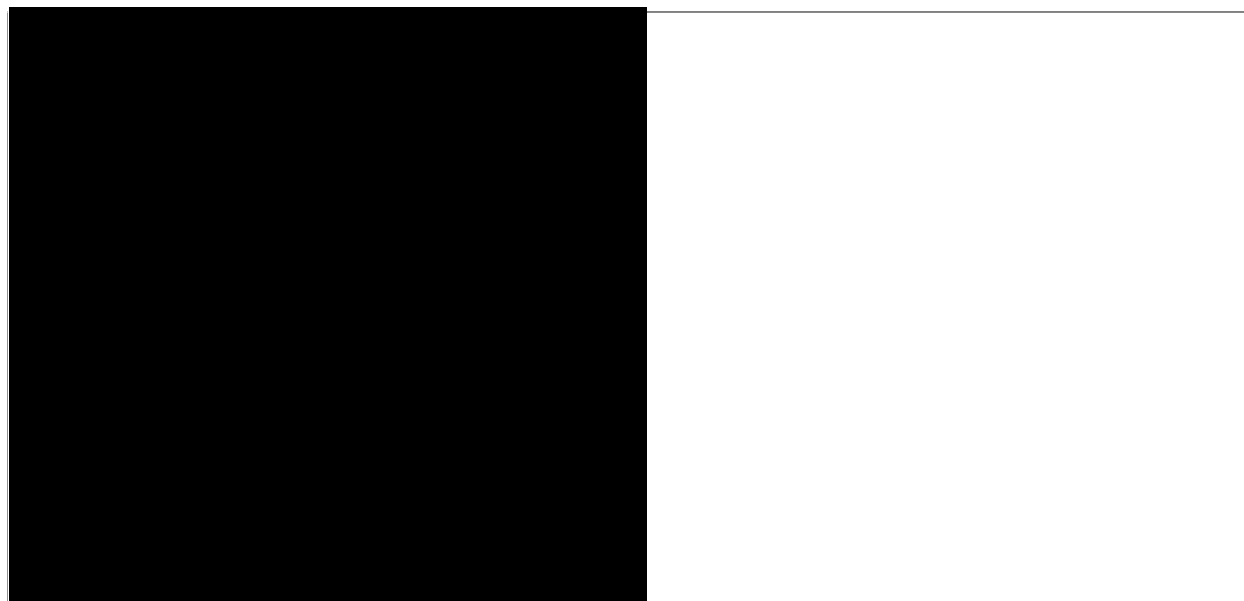
### General

<b>Submitter:</b> [REDACTED]	
<b>Contact:</b> [REDACTED]	<b>Contact Telephone No.:</b> [REDACTED]
TS No.: 07sf5e	
<b>Chemist:</b> Yakal, R.	<b>Contractor Support:</b> Y
<b>PV Init (kg/yr):</b> [REDACTED]	<b>PV Max (kg/yr):</b> [REDACTED]
<b>Binding Option:</b> <input type="checkbox"/>	<b>Exposure-Based Review:</b> <input type="checkbox"/>
<b>Manufacture:</b> <input type="checkbox"/>	<b>Import:</b> <input checked="" type="checkbox"/>

<b>CAS Number:</b> None
<b>Chemical Name</b> [REDACTED] [REDACTED]
<b>Trade Name:</b> [REDACTED]
<b>IES Order:</b> 448544
<b>Generic Name:</b> Polyalkoxycarbopolycycle hydroxy

### Chemical Structure

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### Physical Chemical Properties

<b>Molecular Formula:</b> [REDACTED]	<b>Molecular Weight:</b> [REDACTED]
<b>% &lt; 500:</b> [REDACTED]	<b>% &lt; 1000:</b> [REDACTED]
<b>MP:</b>	<b>MP Estimate:</b>
<b>BP:</b>	<b>BP Pressure:</b>
<b>BP Estimate:</b> [REDACTED]	
<b>VP (Torr):</b>	<b>VP Estimate (Torr):</b> [REDACTED]
<b>Water Solubility (g/L):</b>	<b>Water Soluble Estimate (g/L):</b> [REDACTED]
<b>Log P:</b>	<b>Log P Estimate:</b> 3.57
<b>Physical State — Neat:</b> [REDACTED]	<b>Physical State — Manuf:</b> NK: Imported

**Physical State — Processing:** Solution: [REDACTED] PMN substance in formulation then Solution: 75-250 ppm in formulation  
**Physical State — End Use:** Solution: 25 ppm PMN substance in gasoline

### Additional Chemical Info



**NAVG**

MW = [REDACTED] with [REDACTED] < 500 and [REDACTED] < 1000 by GPC; the low molecular weight peak at 28 minutes is solvent.

Based on the molar

ratios of the feedstocks, the PMN material will have on average have [REDACTED] units; this gives a structure with a MW of [REDACTED].

Based on the NAVG MW

[REDACTED], the PMN material will have on average [REDACTED] units.

Submitted

data: The MSDS and data on PMN p. 13 are for a formulation of the PMN substance in Solvent naphtha (petroleum), heavy arom. (CAS RN = [REDACTED]).

Estimations were done on a low wt. material containing [REDACTED] units and a primary alcohol in the terminal position (MW = [REDACTED]).

Estimated Data (EPI, MP = 20 °C, SMILES =

[REDACTED] BP = [REDACTED] °C; VP = [REDACTED] torr; WS = [REDACTED] g/L; log P = 3.57.

**Uses****Consumer Use? No****Use:**

Intended Use: [REDACTED]

Average PO based on NAVG MW = [REDACTED]

Average PO based on

Molar ratio of feedstocks = [REDACTED]

Analogues (same use): None found.

Patents (same use): None found.

**Other Uses:**

Analogues (other use): [REDACTED]

Analogues (same use and other use): None found.

Patents

(other use): None found.

**Reaction Description**

The

PMN material is imported and no manufacturing information was provided.

[Redacted]

**Pollution Prevention Analysis(P2 Analysis:)**

[Redacted]

**Analogs**

Analogues:

[Redacted]

**Comments/Telephone Log**

**Artifact**

[Redacted]

**Update/Upload Time**

[Redacted]