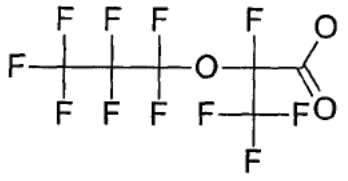
CHEMISTRY REPORT ver. 10/04	PAGE 1	(1) PMN:	P-08-0508
Date: 07/10/08	Revised:	Page 1 of:	4 (1,2,3,4)
(2) Chemist:	Lin, D.	(6) Submitter:	DuPont
(3) Contract Chemist:	Singh, M.	(7) Contact:	Jane Bradd Andersen
(4) TMR used in the Chem. Name?	N	(8) Contact Tel. No.:	(302) 999-2377
(5) IES No:	109490	(9) SMART Review Y/N?	N

(10) Chemical Name

Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-

(11a) Trade Name:	None	(11b) TS NO:	D1372P
(12) CAS Reg No:	13252-13-6	(13) Exp-Based Rev.Y/N:	N

(14) PMN Structure



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5 0 0 8 0 0 0 4 8 1 6

[redacted]

QC #1	Schechter, K.	QC #1 Date:	7/10/2008
QC #2	Lin, D.	QC #2 Date:	7/23/2008
Industrial Chemistry Branch of EETD		Sustainable Futures / P2 Framework	

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MOLECULAR WEIGHT		PHYSICAL/CHEMICAL PROPERTIES				
(15) MOL FORM:	C6 H F11 O3		DATA		S/C	meth/ref
(16) MOL WEIGHT:	330.06	(20) MP:		deg. C		
(17) MW TYPE:	MOLFM/CALC	(21) MP est.:		deg. C		
(18) WT% < 500:		(22a) BP:	[redacted]	deg. C	S	Exp.
(19) WT% < 1000:		(22b) BP pressure:	[redacted]	torr	S	Exp.
PRODUCTION VOLUME		(23) BP est.:	172.7	deg. C	C	NOMO5
[redacted]		(24) VP:	[redacted]	torr/25 C	S	Exp.
		(25) VP est.:	1.8	torr/25 C	C	NOMO5
(30a) PV Binding Option:		(26) S-H2O:		g/L		
(30b) MANUF:	X	(27) S-H2O est.:	0.043	g/L	C	ACD Labs
(30c) IMPORT:		(28a) LOG P:		n.a.		
PHYSICAL STATE		(28b) logP est:	8.12	n.a.	C	ACD Labs

(31a) NEAT: [redacted]

(31b) MANUF: [redacted]

(31c) PROC/FORM: NA

(31d) END USE: Destroyed

USE INFORMATION	(32) CONSUMER USE Y/N: N

(33) INTENDED USE:

Chemical intermediate for [redacted] P-08-509 [redacted]) and [redacted] for polymerization aid [redacted].
STN file CA: 53 references found.

(34) OTHER USES:

None found.

(35 a) ADDITIONAL CHEMICAL INFO:

Submitted data: bp = [redacted]
Estimated data:
NOMO5 for bp = [redacted]: bp = 172.7°C at 760 torr, vp = 1.8 torr.
ACD Labs (Prop Database): bp = 187.5°C, vp = 0.28 torr, ws = 0.043 g/l, log P = 8.12.
EPI (with mp entered as 20°C): bp = 186.9°C, vp = 0.691 torr, ws = 0.205 torr, log P = 3.66.

(35 b) Flash Point:	(35 c) Auto ignition temperature:
(35 d) Chemical Reactivity:	
(35 e) Explosivity:	(35 f) Nano?

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(36) ASSOCIATED/RELATED SUBSTANCES

No.	PMN or CAS NO	Name	Role	Typ. Comp.(%)	Max. Res.(%)	TSCA Y/N
[redacted]						

(37a) Pertinent Chemical Reaction:

[redacted]

(37b) Reaction Description:

[redacted]

(37c) Pollution Prevention Assessment:

P2 Claim: DuPont developed the PMN substance used in polymerization process as a [redacted]