



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

DATE: 2-25-04

**MEMORANDUM**

SUBJECT: **Fluazifop-P-butyl.** List B Reregistration Case 2285. PC Code 122809.  
**Product Chemistry Chapter for the Reregistration Eligibility Decision**  
**[RED] Document.** DP Barcode 291907.

FROM: K. Dockter, Chemist  
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Fluazifop-P-butyl (PC 122809)

{Butyl (R)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]  
phenoxy]propanoate}

Fluazifop-P-butyl [butyl(R)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoate CAS 79241-46-6 is a postemergence herbicide registered for control of perennial and annual grass weeds. A search of REFS conducted 1/29/04 identified 45 active products; one of which is the technical, EPA Reg. No. 100-1001 containing 85% active.

The product chemistry data base is not complete; a new CSF is required which reflects preliminary analyses of the current product together with a discussion of the formation of impurities. The available Generic Series 830 physical and chemical properties are given in the table below.

GLN		MRID	Data
6302	Color	92067999	brown
6303	Physical state	“	liquid
6304	Odor	“	odorless
7200	bp	“	164.5 C
7300	density	“	1.20g.cm <sup>-3</sup>
7840	Water solubility	“	1 mg/L
7950	vp	“	3 x 10 <sup>-8</sup> kPa
7550	log P <sub>ow</sub>	“	4.5
7370	Dissociation constant	“	-3.1
6313	Stability to normal and elevated temperatures, metals, and metal ions	“	stable for 3 yrs @ ambient; 12 wks @54 C; stable in presence of zinc, iron, & K+.

“A potential for the formation of halogenated dibenzo-p-dioxins, halogenated dibenzofurans or N-nitrosamines is not envisioned at any stage.” MRID 92068001

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cc: List B file, RF, Dockter, D. Anderson, M. Collantes, S. Kinard..  
 RDI Fluazifop RED Team.  
 7509C:RRB2:Rm712N:57886:KD/kd  
 Fluazifop.RED [42] = D291907.mem.