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

Reregistration Branch 2

Health Effects Division [7509C]

THRU: Alan Nielsen, Branch Senior Scientist

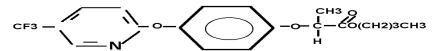
Reregistration Branch 2

Health Effects Division [7509C]

TO: Diana Locke, Ph.D., Risk Assessor

Reregistration Branch 2

Health Effects Division [7509C]



Fluazifop-P-butyl (PC 122809)

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

Fluazifop-P-butyl [butyl(\underline{R})-2-[4-[[5-(triflluoromethyl)-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 | cc | liquid |
| 6304 | Odor | دد | odorless |
| 7200 | bp | cc | 164.5 C |
| 7300 | density | cc | 1.20g.cm ⁻³ |
| 7840 | Water solubility | دد | 1 mg/L |
| 7950 | vp | دد | 3 x 10 ⁻⁸ kPa |
| 7550 | log P _{ow} | دد | 4.5 |
| 7370 | Dissociation constant | cc | -3.1 |
| 6313 | Stability to normal and elevated temperatures, metals, and metal ions | cc | 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, | halogented dibenzofurans or N- |
|-----------------------------------|--------------------------------|--------------------------------|
| nitrosamines is not envisioned at | t any stage." MRID 92068001 | |
| | | |
| | | |

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