

US EPA ARCHIVE DOCUMENT

128850

2-28-85

NOTE

TO: DOUG URBAN
DICK SCHMITT
RETO ENGLER
EAM CREEGER

RD has asked that HED classify HOE-39866 as a biochemical or conventional chemical pesticide. I have attached some Background information on this herbicide (label and part of EAB review).

Please look over the attached information.

I would like to meet to discuss the classification

on:

MONDAY (3/4/85)
Room 813
10:30 AM

Please let me know right away if this time/date is a problem.

Thanks,

Fred

1.0 INTRODUCTION

1.1 American Hoechst Company is requesting an Experimental Use Permit for the use of the new chemical HOE-39866 [monoammonium 2-amino-4-(hydroxymethylphosphinyl)butanoate] in the following areas: 1) non-crop areas, 2) homeowner, 3) non-bearing tree and vine crops, 4) soybeans (no-till, minimum till, and double crop). The EUP request is for a maximum of 2,115 lb ai for use on a maximum of 1,043 acres in all of the United States.

The registrant states that "HOE 039866 is a naturally occurring biosynthetic product excreted by Streptomyces" which "has been found to inhibit glutamine synthetase in leaf tissue of higher plants and thus could be considered a biorational biochemical pest control agent."

1.2 Identity of active ingredient and structure

Chemical Name: monoammonium 2-amino-4-(hydroxymethylphosphinyl)butanoate

CAS Name: Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt

IUPAC Name: Ammonium-(3-amino-3-carboxy-propyl)-methyl phosphinate

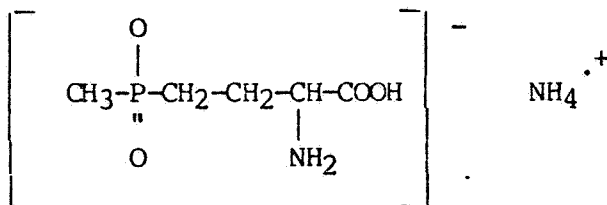
Common Name: none assigned

Company Code: HOE-39866

Molecular Weight: 198.1

Empirical Formula: $C_5H_{15}N_2O_4P$

Structure:



PURE AI

TECHNICAL

Color:	White	White to light brown
Physical form:	crystalline powder	crystalline powder
Odor:	weakly pungent	odorless to weak pungent
Melting point:	ca. 488 K (215°C) under decomposition	ca. 488 K (215°C) under decomposition

RIN 5218-93

EFGWB Reviews of Glufosinate (128850)

Page is not included in this copy.

Pages 3 through 9 are not included.

The material not included contains the following type of information:

- Identity of product inert ingredients.
- Identity of product impurities.
- Description of the product manufacturing process.
- Description of quality control procedures.
- Identity of the source of product ingredients.
- Sales or other commercial/financial information.
- A draft product label.
- The product confidential statement of formula.
- Information about a pending registration action.
- FIFRA registration data.
- The document is a duplicate of page(s) .
- The document is not responsive to the request.

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.
