



13000

SECTION HEAD
50469-1 14
PC
030001

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

OPP OFFICIAL RECORD
HEALTH EFFECTS DIVISION
SCIENTIFIC DATA REVIEWS
EPA SERIES 361

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MAY 7 1992

MEMORANDUM

SUBJECT: 2,4-Dichlorophenoxyacetic Acid: Toxicological
Significance of [REDACTED] Present in AUS 90 Wet
Technical 2,4-D.

FROM: Jess Rowland, M.S., Toxicologist *Jess Rowland 4/29/92*
Section II, Toxicology Branch II
Health Effects Division (H7509C)

TO: Miller/Kenny
Product Manager (23)
Registration Division

THRU: K. Clark Swentzel, Section Head *K. Clark Swentzel 5/5/92*
Section II, Toxicology Branch II
Health Effects Division (H7509C)
and

Marcia van Gemert, Ph.D., Chief *Marcia van Gemert 5/6/92*
Toxicology Branch II
Health Effects Division (H7509C)

PROJECT IDENTIFICATIONS: Submission No. 8386112 Caswell No. 315
Registrant: Agro-Gor Corporation HED Project No. 2-0572

ACTION REQUESTED: Evaluate the toxicological significance of the
level of [REDACTED] identified as an
impurity in the technical product of the AUS 90 Technical reported
in the Product Chemistry Review. [Memo: A. Smith, PCRS, to S.
Vohra, RD, 11/20/91; MRID No. 416819-01].

RESPONSE: The toxicological significance of [REDACTED] was
evaluated using the Agency's Toxicity Equivalency Factor [TEF]
concept. [REDACTED]

Therefore, the Toxicology Branch II concludes that
the level of [REDACTED] present in the AUS 90 Wet Technical 2,4-D
is of no toxicological concern at this time.



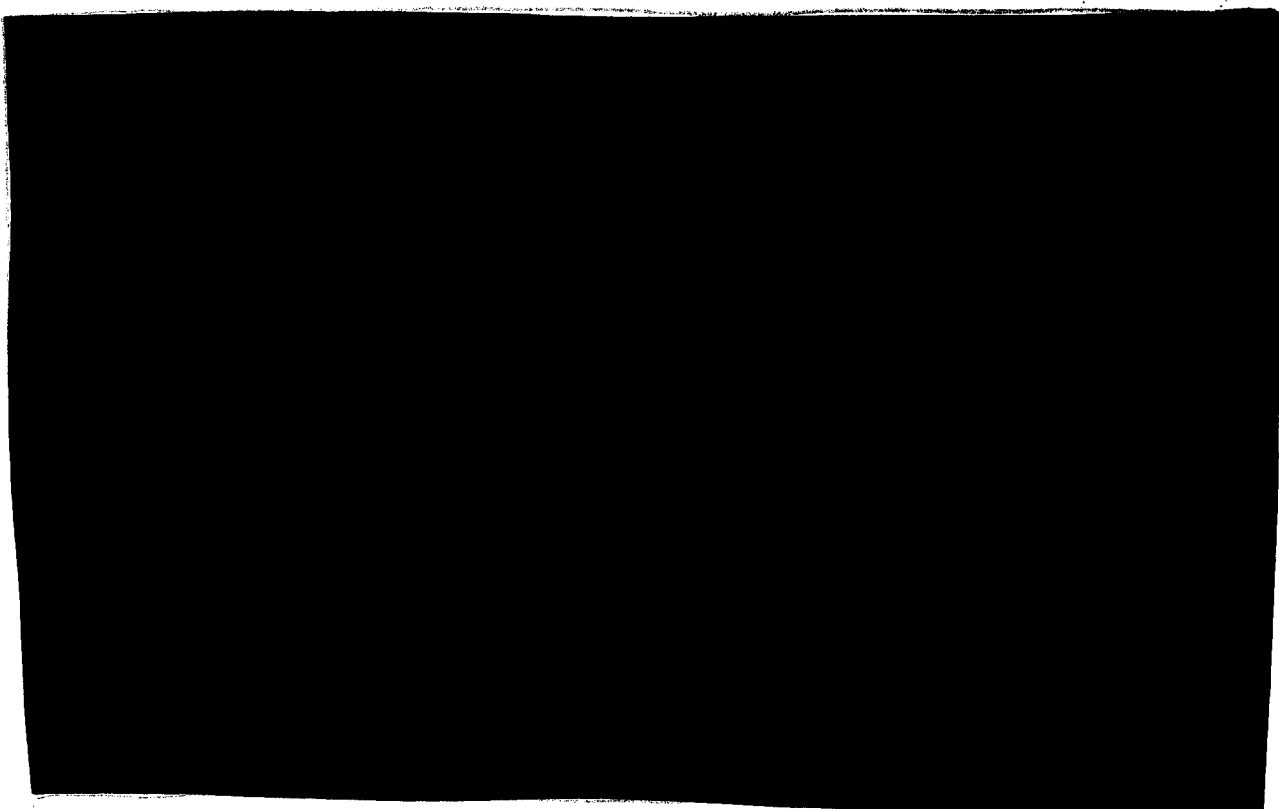
I. BACKGROUND

The registrant submitted a revised Confidential Statement of Formula [CSF, EPA Form 8570-4, dated 9/5/90] for the product AUS Wet Technical 2,4-Dichlorophenoxyacetic acid [see Appendix A in the attached Memo from PCRS]. The CSF identified a number of impurities including the toxicologically significant impurity [REDACTED]

The CSF reported a nominal level of [REDACTED] and an upper certified limit of [REDACTED]. For the active ingredient, 2,4-D acid, the upper certified limit was 97.5% (w/w) and the lower certified limit was 97.0% (w/w).

The PCRS/RSB deferred to the Toxicology Branch on the toxicological significance of the level of [REDACTED] in the technical product.

II. EVALUATION OF THE LEVEL OF [REDACTED]

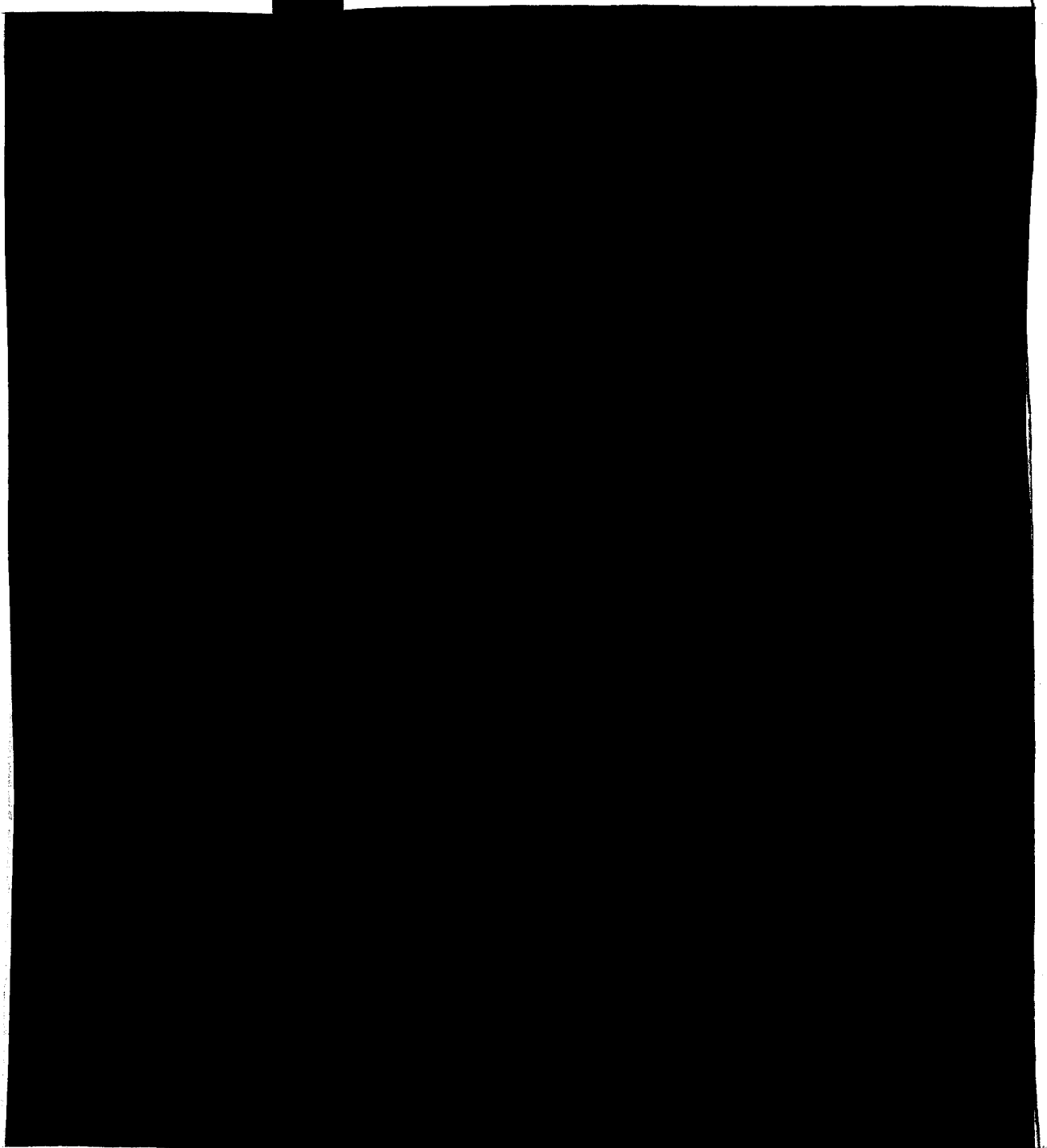


III. ANTICIPATED [REDACTED] RESIDUES FROM THE USE OF AUS 90 WET TECHNICAL.

MANUFACTURING PROCESS INFORMATION IS NOT INCLUDED

IV. ANTICIPATED

DIETARY EXPOSURE



MANUFACTURING PROCESS INFORMATION IS NOT INCLUDED

¹ Update Of Toxicity Equivalency Factors [TEFs] for Estimating Risks Associated with Exposure to Mixtures of Chlorinated Dibenzo-p-Dioxins and Dibenzofurans [CDDs and CDFs]. Risk Assessment Forum, February, 1989. U.S. Environmental Protection Agency.

V. [REDACTED] RISK CHARACTERIZATION BASED ON [REDACTED] "TOXICITY EQUIVALENTS"

VI. CONCLUSION

Therefore,
the Toxicology Branch II concludes that the level of 2,3,7,8-TCDF
present in the AUS 90 Wet Technical 2,4-D is of no toxicological
concern at this time.

Page _____ is not included in this copy.

Pages ____ 6 ____ through ____ 6 ____ are not included in this copy.

The material not included contains the following type of information:

_____ Identity of product inert ingredients.

_____ Identity of product impurities.

X 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.

X 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.



13544

R054666

Chemical:	2-4,D
PC Code:	030001
HED File Code	13000 Tox Reviews
Memo Date:	05/07/92 12:00:00 AM
File ID:	00000000
Accession Number:	412-04-0044

HED Records Reference Center
12/12/2003