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

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

RECEIVED

MAY 7 1992

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

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. S386112 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.

MANUFACTURING PROCESS INFORMATION IS NOT INCLUDED

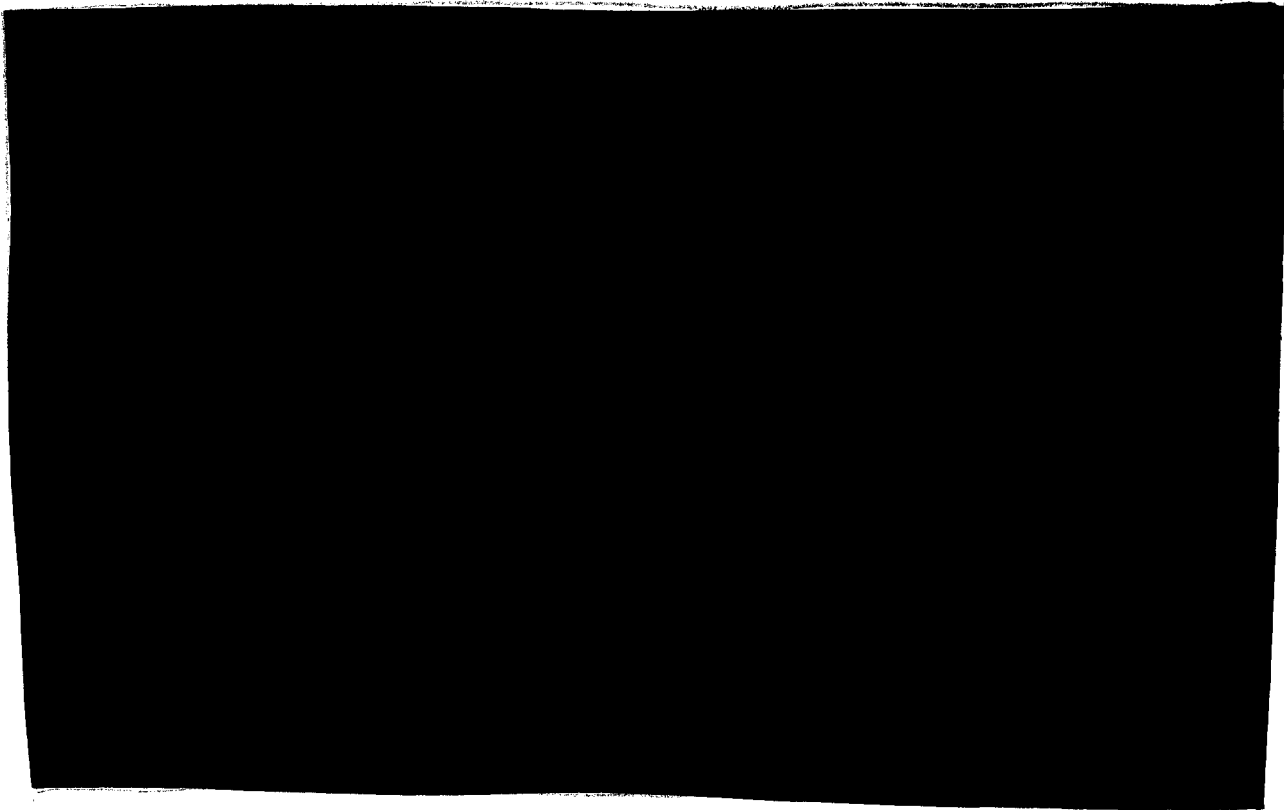
I. BACKGROUND

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).

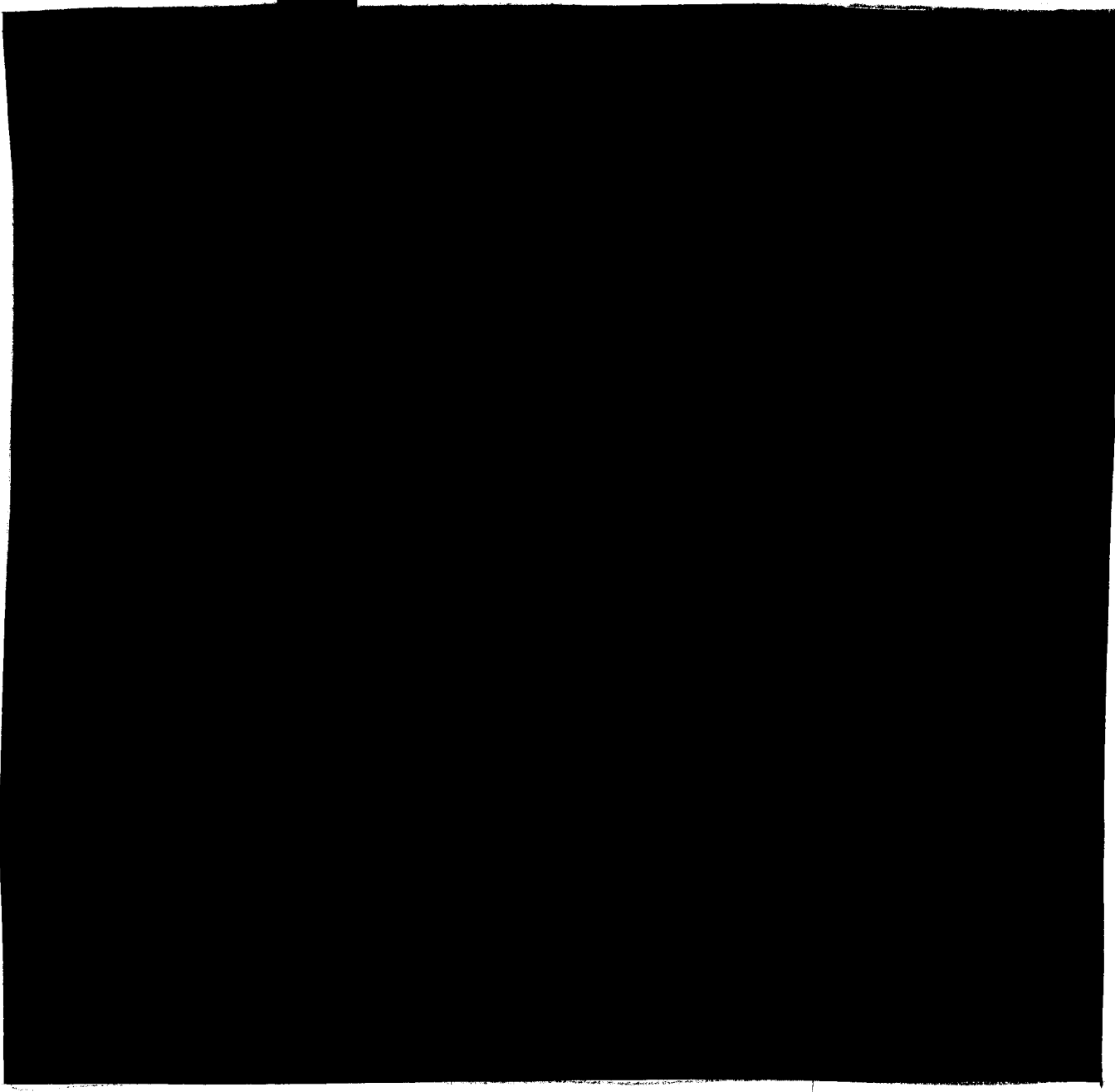
The PCRS/RSB deferred to the Toxicology Branch on the toxicological significance of the level of [REDACTED] in the technical product.

II. EVALUATION OF THE LEVEL OF [REDACTED]



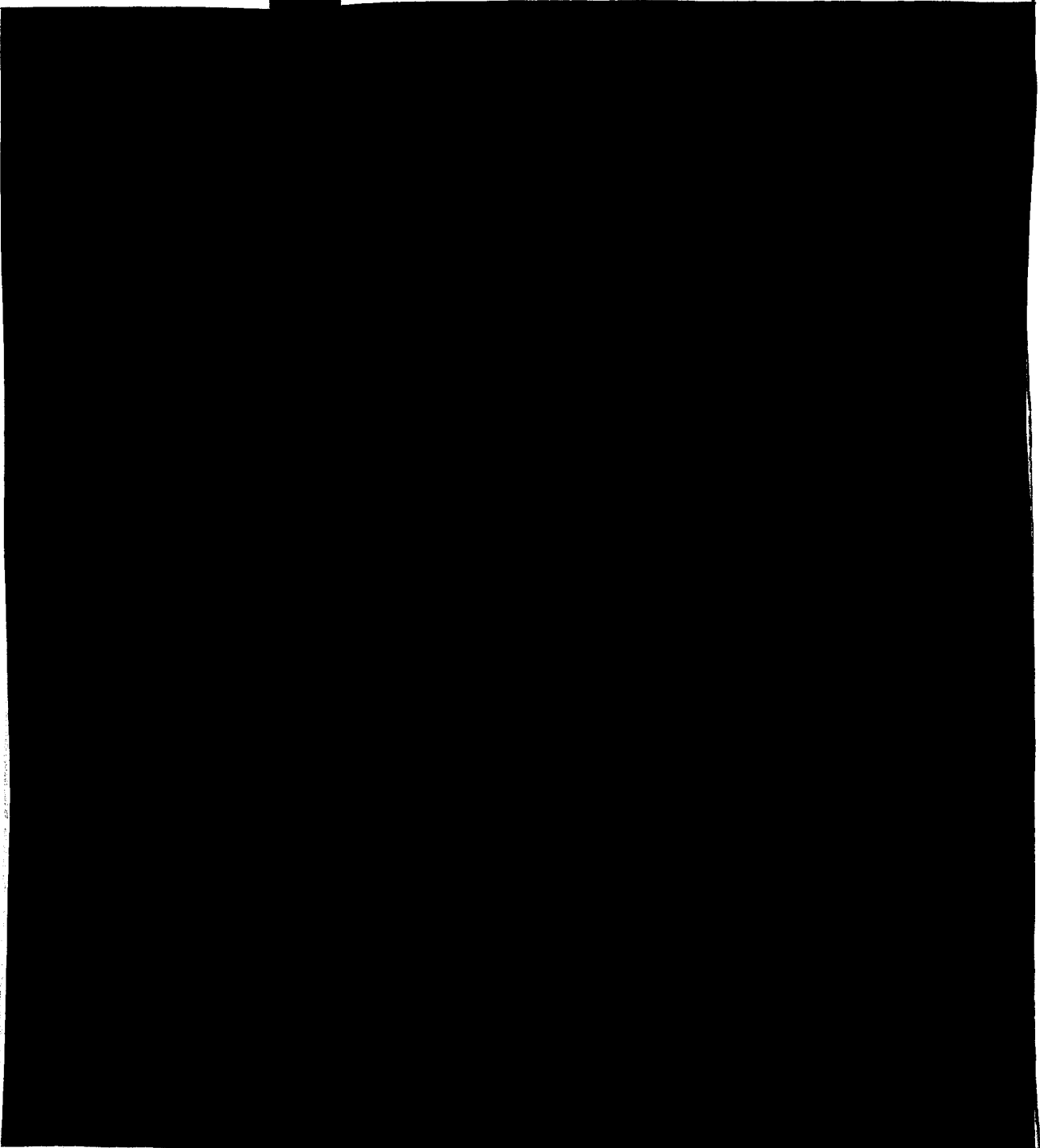
MANUFACTURING PROCESS INFORMATION IS NOT INCLUDED

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



MANUFACTURING PROCESS INFORMATION IS NOT INCLUDED

IV. ANTICIPATED [REDACTED] 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 Dibenzop-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"

[REDACTED]

VI. CONCLUSION

[REDACTED]

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.

MANUFACTURING PROCESS INFORMATION IS NOT INCLUDED

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.
- 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.



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