

DATE Jan. 03, 2000

SUBJECT: EP ☒ MP ☐ PRODUCT CHEMISTRY REVIEW
DP BARCODE No.D261342 Reg./File Symbol No. 71995-EA
PRODUCT NAME Roundup Concentrate Weed&Grass Killer 2
COMPANY Monsanto

FROM *AS*
Alfred Smith, Chemist
Technical Review Branch/RD (7505C)

TO: Vickie Walters, PM 25
Herbicide Branch/RD(7505C)

INTRODUCTION

The Applicant requests the registration of the End-Use Product (EP), Roundup Concentrate Weed&Grass Killer 2. Labelling and product chemistry information are submitted in support of the registration.

FINDINGS

1. The Labelling satisfies the requirements of 40 CFR 156.10 with respect to the Ingredient statement and the Storage and Disposal statements.
2. The product chemistry information satisfies the requirements of 40 CFR 158.155 - 158.190 for the EP.

CONCLUSIONS

TRB/RD concludes that the product chemistry information satisfies the registration requirements for the proposed End-Use Product, Roundup Concentrate Weed&Grass Killer 2.

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EP [x] MP [] PRODUCT CHEMISTRY REVIEW

1. DP BARCODE No.: D261342 2. Reg./File Symbol No.: 71995-EA
3. Registration [x] 4. Reregistration [], Rereg Case No. _____
5. Product Name: Roundup Concentrate Weed&Grass Killer 2
6. Pesticide Type: Fungicide [] Herbicide [x]
 Insecticide [] Rodenticide [] Antimicrobial []
 Plant Growth Regulator [] Others: _____
7. Uses: Food [x] Non food use []
8. Type of Submission: New [x] Resubmission [] Amendment []
 "ME-TOO" [] Alternate Formulation [] Repack []
 Experimental Use Permit [] Other (Specify) _____
9. If "Me-TOO" Registration, this product is [] is not []
 identical or substantially similar to EPA's Reg. No. _____

If not, comment in Confidential Appendix A on the differences between the registered and the new source where significant.

CONFIDENTIAL STATEMENT OF FORMULA, DATED 06/23 /1999 :

10. Type of formulation and the sources of active ingredients:
- a. Non-integrated formulation system..... [x]
- b. Are all technical grade active ingredients used
 registered? • yes [x] • no []
- c. Integrated formulation system..... []

11. Composition: The nominal concentrations (NC) of the active ingredients and the upper and lower certified limits (UCL & LCL) are as follows:

<u>Active ingredient(s)</u>	<u>% by weight</u>		
	NC	UCL	LCL
N-Phosphonomethylglycine, IPA salt	25.0	25.75	24.25

12. The calculated NCs, based on the pure active ingredients (PAI), are identical to those on the label:

• yes [x] • no []

13. The certified limits are within the standard limits as per 40CFR§158.175 or are adequately explained if different:

• yes [x] • no []

14. Clearance of intentionally added ingredients in the formulation for the intended use:

a. Formulation intended for food use under 40CFR§180.1001:

• yes [x] • no [] • Some are cleared, others are not []

• Cleared under list: • c [x] • d [x] e []

b. Formulation intended for non-food use:

• yes [x] • no [] • Some are cleared, others are not []

15. For products produced by an integrated formulation system:
- All impurities of toxicological significance have an UCL:

• yes [] • no [] • not applicable []

- All other impurities $\geq 0.1\%$ associated with the active ingredient in the product are reported at their nominal concentrations:

• yes [] • no [] • not applicable []

PRODUCT LABEL, EPA RECEIVED 11/05 /1999 :

16. The active ingredients statement (chemical identities, nominal concentrations) is consistent with the CSF • yes [x] • no []

17. The formulation contains one of the following:

- 10% or more of a petroleum distillate: • yes [] • no [x]
- 1% or more of methyl alcohol: • yes [] • no [x]
- sodium nitrite at any level: • yes [] • no [x]
- a toxic List 1 inert at any level: • yes [] • no [x]
- arsenic in any form: • yes [] • no [x]

18. If yes to any of the above, does the inert ingredients statement contains a footnote indicating this?

• yes [] • no [] • not applicable []

19. The appropriate physical and chemical hazards statement regarding flammability or explosive characteristics of the product are given on the label:

• yes [] • no [] • not applicable [x]

20. The storage and disposal instructions for the pesticide and container are in compliance with PR Notice 84-1 for household use products or PR Notice 83-3 for all other uses:

• yes [x] • no []

PRODUCT CHEMISTRY DATA (SERIES 830.0000)

<u>21. Chemical IDs/Manufacture/ Analytical Information</u>	<u>Data Required Fulfilled</u>	<u>MRID No.</u>
830.1550 Chemical Identity	Y	44965501
830.1600 Starting Materials 830.1650 Formulation Process	Y	" "
830.1670 Discussion of Impurities	Y	" "
830.1700 Preliminary Analysis	NA	
830.1750 Certified Limits	Y	44965501
830.1800 Enforcement Analytical Method	Y	" "

PRODUCT CHEMISTRY DATA (SERIES 830.0000)

24. <u>Physical/Chemical</u>	<u>Pro</u> <u>per</u> <u>tie</u> <u>s</u>	<u>Data</u> <u>Required</u> <u>Fulfilled</u>	<u>Value or</u> <u>Qualitative</u> <u>Description</u>	<u>MRID No.</u>
830.6303 Physical State		Y	Liquid	44965501
830.7300 Density/Bulk Density		Y	9.16 lbs/gal	" "
830.7000 pH of Product		Y	4.7	" "
830.6315 Flash Point		Y	>200 F	" "
830.6315 Flame Extension		NA		
830.6316 Explodability		NA		
830.6317 Storage Stability		In Progress		44965501
830.7100 Viscosity		Y	9 Cps	" "
830.6319 Miscibility (With Hydrocarbon solvents)		NA		
830.6320 Corrosion Characteristics		In Progress		44965501
830.6321 Dielectric Breakdown Voltage		NA		

Explanations: Y = The Requirements Were Fulfilled; N = The Requirements Were Not Fulfilled; NA = Not Applicable; G = Data Gap; U = Requires Upgrading; I = Incomplete or In Progress; W = Waived.