

DATE OUT: SEP 18 1995

SUBJECT: PRODUCT CHEMISTRY REVIEW OF MP [] EP [X]
DP BARCODE No.: 219082 REG./File Symbol No.: 1812-GLE
PRODUCT NAME: Milo-Pro 4L, 43% Propazine, CAS #139-40-2
APPLICANT: 001812 Griffin Corporation RECEIVED: 09/18/95

TO: 25 Robert Taylor/Terri Stowe
Fungicide-Herbicide Branch
Registration Division (7505C)

FROM: Sami Malak, Chemist, 308-8392 *Sami Malak*
Product Chemistry Review Section
Registration Support Branch/RD (7505W)

THRU: Harold Podall, Section Head
Product Chemistry Review Section *HP 9/18/95*

SUMMARY OF FINDINGS

1. This end-use product, Milo-Pro 4L, Reg. No. 1812-GLE was previously screened and a request was made to revise product's CSF (S. Malak, DP #217008, 7/12/95). The registrant complied and submitted a revised CSF, reviewed in connection with DP #218374 (S. Malak, 8/22/95). With this submission, a complete data package was included for the full review.
2. The complete data package for the source technical, propazine technical, Reg. No. 1812-GAG, was also screened by this reviewer and is currently under review (DP #217004, 7/12/95 & DP #218372, 8/22/95).
3. The submitted product chemistry data for this end-use product, Milo-Pro 4L, Reg. No. 1812-GLE, is adequate.
4. The submitted label for this end-use product, Milo-Pro 4L, Reg. No. 1812-GLE, EPA received 8/29/94, is acceptable.
5. The submitted CSF for this end-use product, Milo-Pro 4L, Reg. No. 1812-GLE, EPA received 8/29/94, dated 8/1/95 is acceptable. All inert ingredients are cleared for non-food uses.

RECOMMENDATIONS:

Pending registration of the technical source, propazine technical, Reg. No. 1812-GAG, we will have no objections for registration of this end-use product, Milo-Pro 4L, Reg. No. 1812-GLE.

EP [X] MP [] TECHNICAL [] PRODUCT CHEMISTRY REVIEW

1. DP BARCODE No. 219082 : 2. REG./File Symbol No.: 1812-GLE
3. Registration [X] 4. Reregistration [], Rereg Case No. _____
5. Product Name: Milo-Pro 4L
6. Pesticide Type: a. Fungicide [] b. Herbicide [X]
 c. Insecticide [] d. Rodenticide [] e. Antimicrobial []
 f. Plant Growth Regulator [] g. Others: _____
7. Uses: a. Food [] b. Non food use [X]
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 []
 similar 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.
10. Information to be reviewed:

 a. CSF [X]: Basic [] Alternate []
 b. Label [X] c. Product Chemistry [X]

CONFIDENTIAL STATEMENT OF FORMULA, DATED 8/1/95:

11. 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 [] • no [X]
 c. Integrated formulation system..... []
12. Basic Properties:
 a. Physical state at ambient temperature: Liquid
 b. Density (or bulk density for solids)/temperature:
 1.08 gm/ml
 c. pH of product: 6.59
 d. Flash point (or flame extension for aerosols): NA

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

Active ingredient(s)	% by weight		
	NC	UCL	LCL
2-Chloro-4,6-bis(isopropylamine)- s-triazine, CAS #139-40-2.....	43.0	44.3	41.7

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

• yes ☒ [X] • no ☐ []

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

• yes ☒ [X] • no ☐ []

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

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

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

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

• Are there any limitations for use as an inert under 40CFR§180.1001?

• yes ☐ [] • no ☐ [], If yes, specify: _____

b. Formulation intended for non-food use:

• yes ☒ [X] • no ☐ [] • Some are cleared, others are not ☐ []

c. Clearance by the FDA of certain formulations under 21CFR §170 to 199.

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

If yes, the entire formulation is cleared under 21CFR§__

17. 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 08/29/95:

18. The active ingredients statement (chemical identities, nominal concentrations) is consistent with the CSF • yes [X] • no []
19. 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]
20. If yes to any of the above, does the inert ingredients statement contains a footnote indicating this?
- yes [] • no [] • not applicable []
21. The appropriate physical and chemical hazards statement regarding flammability or explosive characteristics of the product are given on the label:
- yes [X] • no [] • not applicable []
22. 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 61 and 62)

23. <u>Chemical IDs/Manufacture/ Analytical Information</u>	<u>Data Required Fulfilled</u>	<u>MRID No.</u>
61-1 Chemical Identity	Y	435101-01
61-2 Starting Materials & Manufact or Formulation Process	Y	435101-01
61-3 Discussion of Impurities	Y	435106-01
62-1 Preliminary Analysis	NA	
62-2 Certified Limits	Y	435101-01
62-3 Enforcement Analytical Method	Y	435101-02

PRODUCT CHEMISTRY DATA (SERIES 63)

24. Physical/Chemical Properties	Data Required Fulfilled	Value or Qualitative Description	SOURCE OR MRID NO
63-3 Physical State	Y	Liquid	435101-01
63-7 Density/Bulk Density	Y	1.08 gm/ml	435101-01
63-12 pH of Product	Y	6.59	435101-01
63-15a Flammability-Flash Point	NA		
63-15b Flame Extension	NA		
63-16 Explodability	NA		
63-17 Storage Stability	NA		
63-18 Viscosity	Y	363 cps	435101-01
63-19 Miscibility (With Hydrocarbon solvents)	NA		
63-20 Corrosion Characteristics	Y	Non-corrosive to its packaging	435101-01
63-21 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.