



*Sub: Fee*

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

APR 13 1993

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

**MEMORANDUM**

**SUBJECT:** Simazine Reregistration:  
List A Chemical (Chemical No. 080807; Case No. 0070). Oxon Italia S.P.A.: Response to the Simazine Document, dated 4/14/84 Product Chemistry Data Requirements Regarding Stability (Guideline # 63-13) (MRID No. 425555-01; CBRS No. 11007; DP BARCODE: D185466)

**FROM:** Freshteh Toghrol, Ph.D., Chemist *F. Toghrol*  
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Chemistry Branch II: Reregistration Support  
Health Effects Division (H7509C)

**THRU:** William J. Hazel, Ph.D., Section Head *W. J. Hazel*  
Reregistration Section II  
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**TO:** Lois Rossi/Walter Waldrop, PM 73  
Reregistration Branch  
Special Review and Reregistration Division (H7508W)

Oxon Italia S.P.A. has submitted data (MRID No. 425555-01) regarding chemical stability (Guideline No. 63-13) for simazine 95% T (EPA Reg. No. 35915-10).

**Registrant Response Regarding Stability (MRID No. 426220-01):**

In response to Simazine Registration Standard data gaps for Oxon Italia S.P.A. simazine 95% T (EPA Reg. No. 35915-10) regarding the stability (Guideline 63-13), the registrant has submitted data (MRID No. 425555-01). Technical simazine, Lot # SO072992AB, Batch No. C-24-92/S with 99.5% purity, was used in this study. The stability of simazine in the presence of metal ions and metal (stainless steel, galvanized steel, copper, aluminum, ferric oxide, cupric acetate, zinc acetate, and aluminum tartrate), light, and ambient and elevated temperatures (54 °C) was evaluated over a 14



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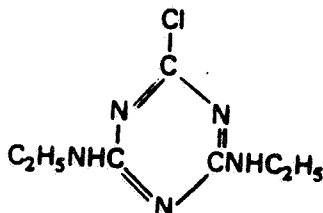
day period. The method used to determine the concentration of simazine was gas chromatography with a flame ionization detector (GC/FID). The results indicate that no significant reaction or degradation took place. Therefore simazine is stable under all of the above test conditions.

The registrant indicates that a storage stability study (Guideline No. 63-17) for simazine technical is under contract and will be submitted in the near future. The registrant is reminded that storage stability must be over a minimum period of one year.

#### CBRS Conclusion

The data gap for Oxon Italia S.P.A. simazine 95% technical (EPA Reg. No. 35915-10) product chemistry regarding stability (Guideline No. 63-13) is resolved.

The chemical structure of simazine is given below.



cc: Simazine S.F., R.F., F. Toghrol, List A File, F. Chow (HED/CCB).

RDI: W. Hazel (4/12/93): E. Zager (4/12/93)

H7509C:CBRS:F.Toghrol:F.T.:RM:804B:CM#2:(703)305-7887:2/25/93.