

Reg. Std. File



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

DEC 30 1992

**MEMORANDUM**

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

SUBJECT: Reregistration of Atrazine. Nitrosamine analysis of Oxon Italia's 98% T; EPA Reg. No. 35915-6. MRID# 422988-01. CBRs# 9872. Barcode D178290.

FROM: K. Dockter, Chemist  
Special Review Section I *K. Dockter*  
Chemistry Branch II, Reregistration Support  
Health Effects Division (H7509C)

THRU: E. Zager, Chief *E. Zager*  
Chemistry Branch II, Reregistration Support  
Health Effects Division (H7509C)

TO: W. Waldrop / V. Eagle, PM Team 71  
Accelerated Reregistration Branch  
Special Review and Reregistration Division (H7508W)

Attached is a review of product chemistry data in support of GLN 62-1, Preliminary Analysis. This information was submitted in response to requirements of the Atrazine Registration Standard [10/88] and was reviewed by Dynamac Corporation under supervision of CBRs, HED.

The information has undergone secondary review in the Branch. It has been revised to reflect Branch policies and it incorporates the Atrazine Product Chemistry Reregistration Standard Update issued 8/11/92. The Product Chemistry Data Summary table has been revised to reflect all conclusions to date.

Please see our conclusions in the attachment regarding the adequacy of the information provided by the registrant.

If you need additional input please advise.

Attachment: Atrazine: Registrant's Response to Product Chemistry Data Requirements.



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cc: [with Attachment]: KDockter, Reg. Std. File, SF, RF,  
Dynamac

cc: [without Attachment]: Circ [2].

RDI: ARathman:12/21/92;MMetzger:12/29/92.

## ATRAZINE

Shaughnessy No. 080803

(CBRS No. 9872; DP Barcode D178290; Case 0062)

### Task 4

#### REGISTRANT'S RESPONSE TO PRODUCT CHEMISTRY DATA REQUIREMENTS

##### BACKGROUND

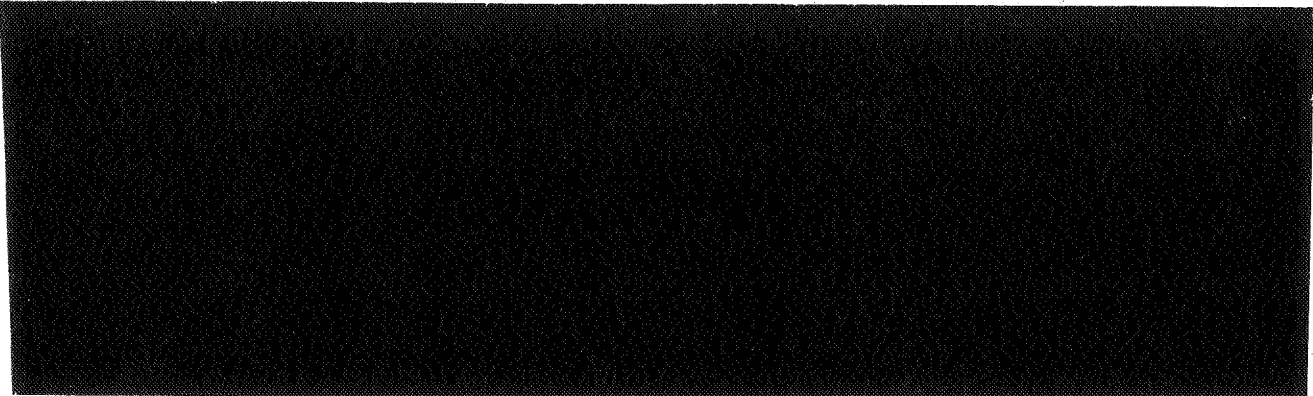
In response to the Atrazine (Second Round Review; SRR) Registration Standard dated 10/88, Oxon Italia S.p.A has submitted one volume of product chemistry data (CBRS No. 9872; 4/15/92; MRID 42298801) for the 96% technical (T; EPA Reg. No. 35915-6). This product was transferred from EPA Reg. No. 45115-63 on 5/23/88. The submitted data and our conclusions are discussed below.

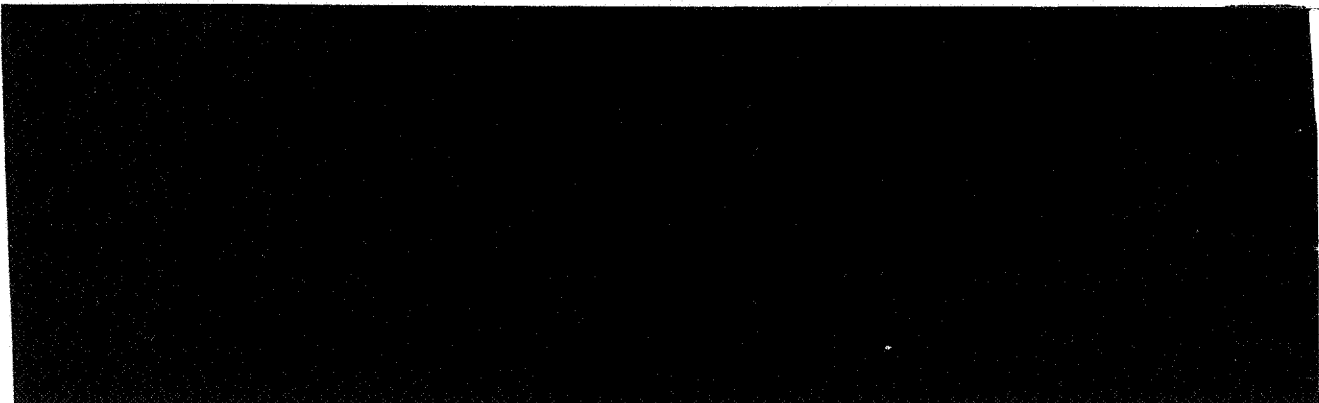
We note that the Atrazine Reregistration Standard Update is currently under preparation by CBRS. The Atrazine Product Chemistry Reregistration Standard Update was issued 8/11/92.

We also note that this response does not address Guideline Reference No. 61-3 - Discussion of Formation of Impurities as indicated on the data instructions.

##### 62-1. Preliminary Analysis

The Atrazine (SRR) Registration Standard dated 10/88 requires updated information pertaining to preliminary analysis of the Oxon Italia 98% T (EPA Reg. No. 35915-6). In response, Oxon Italia has provided (4/15/92; MRID 42298801) preliminary analysis data for two batches of the 96% T analyzed for polar and nonpolar nitrosamines. The submission indicated that samples were received by the laboratory on 10/30/91 and analyzed 1/6-1/27/92. Neither polar nor nonpolar nitrosamines were detected in the two samples of the 96% T. Chromatograms were included in the submission.





These data satisfy the requirements of 40 CFR §158.170 (Guideline Reference No. 62-1) regarding preliminary analysis for the Oxon Italia 96% T (EPA Reg. No. 35915-6). No additional data are required.

MASTER RECORD IDENTIFICATION NUMBERS

Reference (used):

42298801 Bresnahan, Janice (1992) Atrazine Technical; EPA Reg. No. 35915-6; Product Chemistry. Unpublished compilation. 67 p.

Case No. 0062  
Chemical No. 080803

Case Name: Atrazine  
Registrant: Oxon Italia S.p.A.  
Product: 96% T (EPA Reg. No. 35915-6)

**PRODUCT CHEMISTRY DATA SUMMARY**

| Guideline Number | Requirement                                       | Are Data Requirements Fulfilled? <sup>a</sup> | MRID Number          |
|------------------|---------------------------------------------------|-----------------------------------------------|----------------------|
| 61-1             | Product Identity and Disclosure of Ingredients    | Y <sup>b</sup>                                | NP                   |
| 61-2             | Beginning Materials and Manufacturing Process     | Y                                             | 41640401             |
| 61-3             | Discussion of Formation of Impurities             | N                                             |                      |
| 62-1             | Preliminary Analysis                              | Y                                             | 42298801             |
| 62-2             | Certification of Ingredient Limits                | Y                                             | 41640401<br>42094801 |
| 62-3             | Analytical Methods to Verify the Certified Limits | Y                                             | 41640401<br>42094801 |
| 63-2             | Color                                             | N                                             |                      |
| 63-3             | Physical State                                    | N                                             |                      |
| 63-4             | Odor                                              | N                                             |                      |
| 63-5             | Melting Point                                     | N                                             |                      |
| 63-6             | Boiling Point                                     | N/A                                           |                      |
| 63-7             | Density, Bulk Density or Specific Gravity         | N                                             |                      |
| 63-8             | Solubility                                        | Y <sup>c</sup>                                | NP                   |
| 63-9             | Vapor Pressure                                    | Y <sup>c</sup>                                | NP                   |
| 63-10            | Dissociation Constant                             | N                                             |                      |
| 63-11            | Octanol/Water Partition Coefficient               | N                                             |                      |
| 63-12            | pH                                                | N                                             |                      |
| 63-13            | Stability                                         | N                                             |                      |
| 63-14            | Oxidizing or Reducing Action                      | N                                             |                      |
| 63-15            | Flammability                                      | N                                             |                      |
| 63-16            | Explosibility                                     | N                                             |                      |
| 63-17            | Storage Stability                                 | N                                             |                      |
| 63-18            | Viscosity                                         | N                                             |                      |
| 63-19            | Miscibility                                       | N                                             |                      |
| 63-20            | Corrosion Characteristics                         | N                                             |                      |

a. Y = Yes; N = No; N/A = Not Applicable; NP = Not Provided. Data requirements footnoted in this table reflect all conclusions to date.

b. The PM 25 letter dated 3/20/90 does not require additional information pertaining to the identity of the Oxon Italia 96% T [EPA Reg. No. 35915-6], see review dated 3/07/91 by R. Perfetti. No additional data are required.

c. See SRR 10/18/88; Update of 8/11/92.