

US EPA ARCHIVE DOCUMENT

DATE OUT: 23/AUG/2005

SUBJECT: PRODUCT CHEMISTRY REVIEW OF: AN End-Use Product [X]
DP BARCODE #:D320359 EPA RECEIVED DATE: 11/AUG/2005 REG NO.:19713-553
PRODUCT NAME: Drexel Simazine 90DF MRID :466098-01 FOOD USE [X]
COMPANY NAME : Drexel Chemical Company ACTION CODE: 570
PPC NUMBER OF THIS TGA 080807, 080803 DECISION NO.: 359468

FROM: Sami Malak, Chemist
Technical Review Branch/RD (7505C)

TO: 25 James Tompkins/Hope Johnson
Herbicide Branch/RD (7505C)

INTRODUCTION:

The applicant submitted the results of product's storage stability and corrosion characteristics, two product chemistry data requirements of GRNs 830.6317 & 830.6320, respectively.

FINDINGS:

Active Ingredients in the Product & Label Nominal Concentration:

080807 45.00% Simazine
080803 44.18% Atrazine
+ 0.83% Related compounds

The average concentration of a sample used in the study: 0.34% propazine, 44.86% atrazine, and 44.92 simazine.

Reg. No. of the Test Substance Used in the Study: 19713-553.
Storage Container: Plastic bag.

Analytical Methods Used: Method DREX AN01-0002, entitled "Determination of Atrazine and Related Compounds in Atrazine Formulated Products by Gas Chromatography." And Method DREX AN00-0006 entitled "Determination of Simazine by Gas Chromatography.

Confidentiality Statement: A statement of data confidentiality dated 15/JUN/2005 was included with this submission claiming no confidentiality of any of the submitted data on the basis of its falling within the scope of FIFRA§10(d)(1)(A), (B), or (C).

GLP Statement: A GLP statement dated 15/JUN/2005 was included with this submission to the effect that the study was conducted in compliance with the GLP requirements of 40CFR§160.

Table I. Summary of Findings, average of two samples at each interval:

Observation Period	Physical changes in the test substance	Corrosivity to the packaging container	% PAI as determined by the method	Percent Changes	Storage Temp. °C
Initial @ 0 Day	None	None			25
Propazine			0.32	-----	
Atrazine			45.31		
Simazine			45.67		
After 3 Months	None	None			25
Propazine			0.32	No change	
Atrazine			44.62	- 0.69	
Simazine			44.83	- 0.84	
After 6 Months	None	None			25
Propazine			0.36	+0.04	
Atrazine			45.57	+ 0.26	
Simazine			45.23	-0.44	
After 12 Months	None	None			25
Propazine			0.34	+0.02	
Atrazine			44.61	+ 0. 70	
Simazine			44.48	- 1.19	

CONCLUSIONS:

1. The applicant has satisfied product chemistry data requirements pertaining to the storage stability (GRN 830.6317) and corrosion characteristics (GRN 830.6320). The product is stable for a period of one year when stored under ambient warehouse conditions in its commercial container. No changes to the test substance or corrosivity to the packaging container during the one year of testing.