CASWELL FILE

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

SEP 26 1990

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: TRIADINE; hexahydro-1,3,5,tris (2 hydroxyethyl)-s-triazine. EPA ID# 1258-1071; Barcode D155239

To: John Lee/Martha Delaney, P.M. 31
Disinfectants Branch
Registration Division (H7507C)

Tox Chem No 481C
Proj. No. 0-1861

From: Joycelyn E. Stewart, Ph.D. 9/21/90
Section II, Toxicology Branch I
Health Effects Division (H7509C)

Thru: Marion Copley, D.V.M., Head Marion P. Copley 9/24/90
Section II, Toxicology Branch I
Health Effects Division (H7509C)

Registrant: Olin Chemiclas
Stamford, Connecticut 06904

Action Requested: Review new uses and determine whether adequate data are on file to support new use pattern. The new use request is for the in-can preservation of aqueous asphalt emulsions for products used for paving, roofing, sealing, joint filling, special paints, and adhesives.

Conclusion: Data on file are not adequate to support the current registration or the requested new use.

1

Data Requirements

Technical and Formulations		Required	Satisfied
81-1	Acute Oral Toxicity	Y	N
81-2	Acute Dermal Toxicity	Y	Y
81-3	Acute Inhalation Toxicity	Y	N
81-4	Primary Eye Irritation	Y	N
81-5	Primary Dermal Irritation	Y	N
81-6	Dermal Sensitization	Y	N
81-7	Acute Delayed Neurotoxicity	N	-
Technical Tier I Studies 1/			
82-3	90 day dermal	Y	Y
83-3	Teratogenicity (1 species)	Y	Y
84-2	Mutagenicity-gene mutation	Y	Y
84-2	Mutagenicity-chromosomal aberration	Y	Y
84-2	Mutagenicity-other genotoxic effects	Y	N

Toxicology Profile — Updated 9/21/1990

Study Identification and Classification	Results
82-3 90 day dermal-rat Acc. No. 260195 Minimum	NOEL = 1000 mg/kg (HDT) Doses tested: 0, 100, 500, and 1000 mg/kg in S.D. rat
83-3 Teratology study-rat MRID 411618-01 Minimum	Maternal toxicity NOEL = 500 mg/kg Developmental toxicity NOEL = 750 mg/kg (HDT)
84-2 Mutagenicity-gene mutation MRID 412317-02 Acceptable	Negative in S. typhimurium with and without m.a. up to 200 ug/plate
84-2 Mutagenicity-chromosome aberration MRID 412317-01 Acceptable	Negative in bone marrow cells of CD-1 mice up to 80% of LD_{50} (855 mg/kg).
84-3 Mutagenicity-UDS rat MRID 412623-01 Unacceptable	Positive. Results need to be confirmed.

1/ This chemical is subject to tier testing. Additional teratology, Tier 2, and Tier 3 studies may be required based on the results of the Tier 1 studies and/or exposure data.

Data Gaps

Based on the data available, the following data gaps are identified:

81-1 Acute Oral Toxicity
81-3 Acute inhalation Toxicity
81-4 Primary eye irritation
81-5 Primary Dermal Irritation
81-6 Dermal Sensitization
82-4 Mutagenicity-other mechanisms

Action Being Taken To Obtain the Missing Information

Registration Division is to inform the registrant that these data gaps exist.

Pending Regulatory Actions Against this chemical

Toxicology Branch is not aware of of any pending regulatory actions.

Toxicological Issues

There are no immediate toxicological issues of concern.