

Certified Mail
Return Receipt Requested

May 28, 1998

MR 6695
8EHQ-0698-14186

Document Processing Center (TS-790)
Attention: (8e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460

Contains No CBI

98 JUN 11 11:12:14

RECEIVED

Ladies and Gentlemen:

Subject: Notice in Accordance to TSCA Section 8(e) - Preliminary results of a aquatic toxicity study with Cetomacrogol 1200 in Zebra fish.

BASF Corporation is submitting preliminary results of an aquatic toxicity study in Zebra fish (*Brachydanio rerio*) with Cetomacrogol 1200 (CAS No. 68439-49-6), in a semi-static system. Cetomacrogol 1200 is a reaction product of (C16-C18) alkyl alcohol with 25 moles of ethylene oxide. The study was conducted by BASF Aktiengesellschaft, Ludwigshafen, Germany.

BEHQ-98-14186



The determination of the acute toxicity on the zebra fish was performed following the OECD 203 Guideline (adopted April 4, 1984, considering the updated version, adopted July 1992), using a semi-static system (replacement of test solutions after about 48 hours). This guideline also covers the requirements of the EEC Directive 84/449, C.I.: "Acute toxicity for fish" including the updated version of Nov. 1989 (Doc, 89/86/IX).

Ten fish per concentration or control were used; the study duration was about 96 hours (=4 days). The test temperature was 22°C; the water hardness was about 2.5 mmol/l. The test compound was soluble/mixable in the test water in the range of the selected concentrations. No analytical concentration control analyses were performed.

The following results were obtained:

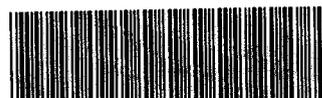
The exposure to nominal Cetomacrogol 1200 concentrations of 0; 0.10; 0.215; 0.464; 1.0 and 2.150 mg/l resulted in:

The LC ₍₅₀₎ (96 hours)	=	0.46 - 1.0 mg/l
NOEC (96 hours)	=	0.215 mg/l
"LC ₀ " (96 hours)	=	0.215 mg/l
"LC ₁₀₀ " (96 hours)	=	1.0 mg/l

Toxic symptoms were observed in the form of slight to very slight apathy and swimming near the bottom.

These values indicate that Cetomacrogol 1200 exerts relatively high acute toxicity for fish according to current criteria for TSCA 8(e) submission.

98 JUN 8 11:11:06
RECEIVED
OPPT/NCIC



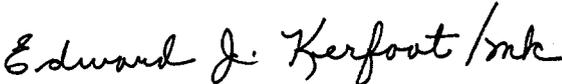
88980000153

Although BASF Corporation does not feel that this information presents a substantial risk to health or environment, it is being submitted under Section 8(e) of TSCA. Any reports or additional information that we receive will be forwarded to the Agency and Material Safety Data Sheets will be updated with this preliminary information.

If you have any questions, please feel free to call me at (734) 324-6207.

Very Truly Yours,

BASF Corporation

Handwritten signature of Edward J. Kerfoot in cursive script.

Edward J. Kerfoot, Ph.D.
Director, Toxicology and Product Regulations

ENTRY FORM

CAPNUM	LTR	DATE	CBI	CASNO	CONCERN	AI	SOLUBILITY
14186	a	0698		68439496	HIGH	NS	soluble

CHEMNAME

Cetomacrogol 1200, semi-static

PHYSTATE

NS

ORGANISM	DURATION	ENDPOINT	CODE	TOXVALUE	UNITS
Zebra fish, Brachydanio rerio	96h	LC50	<	1.0	mg/l

MELTINGPT

NS

COMMENTS

96hNOEC=0.215mg/l ;LC100=1.0mg/l
nominal