

8EHQ-1294-13283



INIT 12/13/94

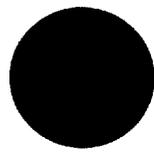
DEEPWATER



IODIDES, INC.

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December 5, 1994

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Attn: Section 8(e) Coordinator:

Following is information provided under Section 8(e) of the Toxic Substances Control Act. It is being submitted by:

Dr. L. L. Hilton, President
Deepwater Iodides, Inc.
1210 Airpark Rd.
Woodward, OK 73801
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The submission concerns trifluoroiodomethane; tradename Triodide®; chemical formula CF₃I; CAS Registry number 2314-97-8.

The adverse effect being reported is mutagenicity. Results were positive when using the Ames *Salmonella*, and Mouse micronucleus assays and negative when using the Mouse lymphoma cell assay. Thus CF₃I produced genetic damage in bacterial cell cultures and when tested in animals but not when tested in mammalian cell culture.

References:

Mitchell, A. D. 1994. *In vitro* forward mutation assay of iodotrifluoromethane (CF₃I) using the L5178Y/tk⁺ mouse lymphoma cell mutagenesis assay (MLA) with colony sizing, with and without metabolic activation. Genesis Study No. 94036. Genesys Research, Inc. Research Triangle Park, North Carolina.

Mitchell, A. D. 1994. *In vivo* bone marrow erythrocyte micronucleus testing of iodotrifluoromethane (CF₃I). Genesis Study No. 94036. Genesys Research, Inc. Research Triangle Park, North Carolina.

Mitchell, A. D. 1994. Mutagenesis testing of iodotrifluoromethane (CF₃I) using the Ames *Salmonella typhimurium* histidine reversion assay for volatile chemicals, with and without metabolic activation. Genesis Study No. 94035. Genesys Research, Inc. Research Triangle Park, North Carolina.

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Lee Hilton