



Attn: "EUROPEAN CHEMICALS AGENCY"
Annankatu 18, P.O. Box 400,30 rue Olivier Noyer
FI-00121 Helsinki, FINLAND

Dear Madam, Dear Sir,

Please find below **non-confidential information** about the comments for Annex XV SVHC Dossiers concerning DMF (EC: 200-679-5; CAS: 68-12-2)

INFORMATION ON ALTERNATIVE SOLVENTS

Endura uses DMF as solvent in its synthesis processes.

Other possible solvents exist, but are not suitable as indicated at p. 15 of the ANNEX XV, another CMR substance should not be considered to be an adequate substitute for a CMR substance.

A further possible solvent not dangerous exist, but in this case several different problems were noted: 1st the yield of the process drastically decreases; 2nd this solvent reacts with some impurities to generate various sulfides; 3rd the melting point is much higher than that of DMF and this generate problems to the plant (particularly in winter).

Finally, in agreement with our studies, in the relevant process DMF cannot be replaced with another solvent.

Cordially,

Giovanni for ENDURA S.p.A.

Giovanni Prota, PhD
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Endura S.p.A.

A passion for Chemistry

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