

## PE1376/A: ADDITIONAL INFORMATION BY PETITIONER

### UK Aspartame Awareness Campaign (UKAAC)

Jim McDonald - 13th August 2009

#### To determine the ADI of aspartame using methanol as the critical component

##### methanol factors

REF:	source	ml	sg	grams	mg	wt.in kg	Lethal Rat mg/kg	Doses Adult mg/kg	Blinding Dose Adult mg/kg	Comments
1	Lab. Rat - Lethal single dose - LD50	MSDS	7.04	5.63	5628		5628			Rats are 16 times more resistant to methanol than humans.
2	Specific Gravity of Pure Methanol	MSDS		0.8						
3	Adult human - single Lethal dose - LDlo	MSDS	30	=	24	=	24000	70	343	
4	Adult single dose- causes blindness	MSDS	10	=	8	=	8000	70	114	

##### Method used to calculate the ADI for Pure Methanol

Establish "No effect Level"	None	Use say 10% of blindness level	REF: 4	11.4	Using this "no effect level" is probably not safe, due to there being no back-up data available.
Divide by 100 to provide a safety margin	FSA	ADI for Pure Methanol based on Blindness level	ADI	0.114	

##### NOTE:

The 10% Methanol content of the current FSA ADI for aspartame is :-	FSA	10% of 40mg/kg	4		This is 36 times the ADI for Pure Methanol !!!
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##### Rat study to determine the ADI of ASPARTAME

		Aspartame mg/kg	Pure Methanol mg/kg	Pure Methanol mg/kg	
Rats LD50 - Methanol	MSDS		5628		REF: 1
Cot "no effect Level" for aspartame	COT	4000			
Free Methanol content @ 10% is :-	COT		400		
NOTE: amount of aspartame required to be given, using equivalent blinding dose of Pure Methanol is :-		18,240		1824	

Animals that can withstand a LD of over 5000 mg/kg of Pure Methanol, will hardly be bothered by a dosing plan of 400 mg/kg. No wonder the study returned "no Effect". If 343mg/kg of Pure Methanol is the LDlo for a human - how can this study on Rats in any way be representative of an effect on humans. - - 16 x the human blinding dose - REF: 4 - is 1824 mg/kg of pure Methanol

The symptoms suffered by anecdotal evidence patients, exactly mimics those of methanol poisoning. Methanol is a cumulative poison and even at very low levels, a daily drip feed of very small amounts over a long period of time - often over many years, can cause serious health problems, this is born out by the anecdotal evidence. Methanol is an industrial solvent and was never meant to be for human consumption. We firmly believe that the ADI for methanol should be 0.0mg/kg

