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Cc:
Bcc:
Received Date: 2001-08-10 20:39:44 GMT
Subject: FW: animal testing spreadsheet 10-8-01.xls

Bob:

As per your Urgent, urgent, urgent request, Ralph and I have made significant additions to the spreadsheet. Below are some assumptions that were used to calculate some of the children's health animal numbers:

Tier 1. HPV battery - 130 rats

Acute toxicity: LD50 5 animals/sex/dose, 5 doses = 50 rats. Could use less using up/down approach for oral, but not inhalation.

SIDS Combined subchronic/reproduction. 10/dose/sex 4 doses, not counting offspring = 80 rats

Tier 2. 400 rats, 80 mice

2 generation: 250 rats [not including offspring as per your earlier note]

one species developmental [25 females per dose, 4 doses] = 100 rats

[Stuart - is a second species developmental required?]

chromosomal aberration: none - in vitro

mouse lymphoma: none - in vitro

immunotoxicity: 10 mice per sex per dose, 4 doses = 80 mice

metabolism: two routes, two doses, both sexes, 5 rats per group guesstimate 50 rats

Tier 3. 750 rats, 400 mice.

Adult neurotoxicity: 12 rats per sex/dose/4 doses, plus dose-setting plus recovery group: 150 rats

developmental neurotoxicity: parental animals 12/sex/dose 4 doses; offspring ditto 200 rats, not counting unused offspring.

two species carcinogenicity; 50 animals per sex per dose 4 doses; 400 rats, 400 mice

I have also added acetone and MEK as children's health entries under the solvents product area. I made some educated guesses about animal numbers regarding some of the butadiene/ethylene/propylene approved programs.

Gauke: I think the BPA numbers are fairly accurate but some of the animal numbers are my best guess. Please check for accuracy as per your recollection.

Finally, for completeness, I would ask about epidemiology studies. There is the extensive benzene Shanghai study, via a consortium, but there also other human studies, sole or consortia.

I will be out of the office until Thursday of next week (16 August) but will be reachable via email, voice mail, or mobile.

I hope this helps. Don't be shy about asking Ralph and I for more information.

Be well

Stuart

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-----Original Message-----

From: Cagen, Stuart Z SCC
Sent: Friday, August 10, 2001 3:26 PM
To: Cagen, Stuart Z SCC
Subject: animal testing spreadsheet 10-8-01.xls



animal testing
spreadsheet 10-...

Attachments:

animal testing spreadsheet 10-8-01.xls