P Ex 2821

Monsanto

FROM (NAME & LOCATION) S. H. Vogel - WGK

file Sandobrite

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SUBJECT Briquettes from Dowicide G Beads

REFERENCE

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As Dale suggested, I have measured solution rate and dioxin content of briquettes prepared from Dowicide G beads. These values are compared to our typical material in the following table. Other properties are also listed for comparison purposes.

	Dow		Monsanto	
	25°C	80°C	25°C	80°C
Lot No.	12/9/71	12/9/71	KA-5089	KA-5121
Dissolving time	31 min.	7.5 min	33 min.	7.5 min.
Briquette wt (grams)	35.1	35.2	31.4	31.2

GLC (PPT, chlorophenols)	12/9/71	KA-2058
Tetra	5.5%	3.9%
Penta	88.7%	88.5%
H.B.	5.8%	7.6%
Dioxins	0.12%	0.26%

Solution rates of the briquettes at given temperatures are near identical. The rates were measured under similar conditions in each case (i.e., stir rate, amount of H_2O, etc.). These conditions are recorded and can easily be duplicated later if need be.

Dioxin content of the Dow material is much lower than in Monsanto's. This was not unexpected, since the Dow material contains lesser amounts of solution insolubles. Solution insolubles are rich in dioxins (15-20%).

Chlorophenate distribution is similar in each material.

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