

PROGRESS REPORT

On the Reaction of the Skin of Human Subjects to the Application of Various Materials Supplied by B. F. Goodrich Company

1. The object of these observations was to determine the irritant or potential sensitizing properties of certain products represented as being paraisopropoxydiphenylendiamine and n-n'diphenylparaphenylendiamine.

2. Conclusions

As judged by the results of the tests employed in these experiments on human subjects, neither of the materials employed in these observations, when used in concentrated form, is possessed of the properties of a primary irritant of the skin.

3. Experimental Procedures

Problem of a fresh-water diatome - in contrast to marine (salt-water) diatome. The material is heavier than salt water diatome, it is removed with earth, under a superficial useless layer. It is crushed and fine removed for use as polishing material (Simonyet). It is used for absorbing oil, water, other muck, as plant

Question
Is that of hazard of pneumoconiosis - 87% SiO_2 -

Question - free silica
size of particles
ease of suspension in air

Recommendations

- ① Analyze for free silica 1 @ "75" including X-Ray
- ② Obtain all data from plant - study
- ③ Obtain sample of bag house fines - free silica @ "75"
- ④ Consider, necessary, a synthetic experiment to see what happens when put in a bag house and effort - mechanical effects - doing air analysis
- ⑤ Observations under plant conditions

Estimate of cost

Later see Ray

Confirmed by Mr. Conrad over telephone
Go ahead in analysis - Advise him of subsequent steps if any are to be taken