

CHEMICAL HYGIENE FELLOWSHIP

KEY TO TOXICITY TESTS

Number

Name

- 1-----Peroral, single dose to standard rats
- 2-----Peroral, single dose to other animals
- 3-----Oral, subacute (usually 90 days or less)
- 4-----Oral, chronic (lifetime or 2 years)
- 5-----Parenteral (subcutaneous, intraperitoneal, intravenous, etc.)
- 6-----Skin Penetration, rabbits (24-hour contact under impervious sheeting)
- 7-----Skin Penetration, rats (4-hour contact under impervious sheeting)
- 8-----Skin Penetration, subacute (usually less than 90 days), 1 hour contact,
5 days per week
- 9-----Skin Absorption (quantitative using tagged compounds)
- 10-----Inhalation, single--saturated vapor at room temperature, 20 to 25°C
- 11-----Inhalation, single--mist (at 170°C or selected temperature)
- 12-----Inhalation, single--fog (aerosol of 1 to 2 micron particle size)
- 13-----Inhalation, single--measured concentration (ppm or mg/liter)
- 14-----Inhalation, subacute (usually 90 days or less, 6 or 7 hours per day,
5 days per week)
- 15-----Metabolism, animal *in vivo* and *in vitro* on either biopsy or surgical
specimens
- 16-----DOT Corrosive, 4-hr
- 17-----Rabbit Belly, irritation (single application, uncovered)
- 18-----Rabbit Belly, irritation (4-hour, eight applications)
- 19-----Rabbit Belly, irritation *via* repeated application (3x daily for up to
3 days)
- 20-----Rabbit Eyelid, irritation, to classify bland materials
- 21-----Rabbit Cornea, volume and concentration to produce injury
- 22-----Rabbit Cornea, injury from vapor
- 23-----Mouse Skin Painting, for carcinogenicity
- 24-----Rabbit Ear, chloracne formation
- 25-----Guinea Pig, Landsteiner (sensitization *via* intradermal or topical appli-
cation)
- 26-----Human Patch Test (sensitization)
- 27-----Organoleptic Tests
- 28-----Wear Test (FDA), miscellaneous irritation and wound healing
- 29-----Bacteriology, miscellaneous biochemical tests
- 30-----3-Generation Reproduction and Lactation
- 31-----Teratology
- 32-----Mutagenicity
- 33-----Demyelination
- 34-----Cholinesterase and/or other Enzyme Studies
- 35-----Joint Action, to detect potentiation or antidotal response
- 36-----Literature Reviews
- 37-----Endotracheal Injection
- 38-----Pyrolysis (identification and toxicity studies)

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