General Offices - St. Louis

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TOXICOLOGICAL INVESTIGATION OF MCS-295

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Enclosed is a copy of the report from Younger Laboratories showing the results of the toxicity studies on the subject compound. For those not receiving a copy of the report, the summary is shown below:

SUMMARY - MCS-295

A) Oral LD_{50} (Rats, Mixed Sex)

The Oral LD_{50} for male and female rats was placed at 4200 milligrams per kilogram with lower and upper limits of 3740 to 4700 milligrams per kilogram.

The compound was classed as slightly toxic by oral ingestion in male and female rats.

B) Skin Absorption MLD (Rabbits, Mixed Sex)

The Minimum Lethal Dose by Skin Absorption in male and female rabbits was found to be greater than 501 milligrams per kilogram and less than 794 milligrams per kilogram.

The compound was classed as moderately toxic by skin absorption in male and female rabbits.

C) Skin Irritation (Rabbits)

The compound was classed as a moderate skin irritant when applied undiluted to intact rabbit skin.

The average maximum score was 4.3 out of a possible 8 in 24 hours.

D) Eye Irritation (Rabbits)

The compound was classed as a moderate eye irritant.

The average maximum score was 41.6 out of a possible 110 in 24 hours.

E) Vapor Inhalation (Male Rats)

All animals survived the six hour exposure as well as the following ten day observation period.

It was concluded that the vapors were practically non-toxic under conditions of the test.

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Interpretation of Data

rats 12/22/67 8/14

When administered orally to mixed sex ~~rabbits~~, undiluted MCS-295 was classed as slightly toxic and moderately toxic when administered percutaneously to mixed sex rabbits.

When the undiluted sample was applied to the clipped intact skin of rabbits, it was classed as a moderate skin irritant; and when instilled into the rabbit eye, it was classed as a moderate eye irritant.

When rats were exposed, at ambient temperature, to the vapors of MCS-295 for a period of six hours, no deaths or adverse signs occurred. The compound was classed as practically non-toxic by this route of administration.

It is advised that repeated or prolonged skin contact be avoided. In case of skin contact, wash off with soap and water.

Eye protective equipment should be worn when handling this product. In case of accidental eye contact, flush out with water for at least 15 minutes. If irritation persists, consult a physician.

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WHH:akd

*Receives copy of Report