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DATA EVALUATION REPORT

STUDY TYPE: Acute Dermal Toxicity (rabbit)

MRID NO.: 116482

TOX. CHEM. No.: 320

TEST MATERIAL: 2,4-DP butoxy ethanol ester (purity not specified)  
(brown liquid). Lot No. 16383

SPONSOR: Amchem Products, Inc.

CITATION: Acute Dermal Toxicity (rabbit) (1977); Study No.:  
CDC-AM-005-77; CDC Research, Inc.; Clarks Summit, PA.  
Submitted by Union Carbide Agricultural, Inc.; EPA Accession  
No. 237875.

CONCLUSION: Groups of rabbits ( 3/sex with abraded skin, 2/sex with intact skin) were applied 2,4-DP butoxy ethanol ester on a gauze patch at a dose of 2 gm/kg. Mild erythema was observed in 2/3 females with abraded skin and in 2/4 rabbits (1 male and 1 female) with intact skin at 24 hr; the erythema disappeared at 48 hr. No additional toxic effects were observed. Based upon these data, the dermal LD<sub>50</sub> of the test compound was greater than 2 gm/kg (Toxicity Category III).

The report did not state the purity of the chemical, and no chemical analysis data of the test compound were included. In addition, the information on the strain and supplier of of the test animals were not reported. This study is classified as supplementary.

METHODS AND MATERIALS: According to the report, 6 rabbits (3/sex) with abraded skin and 4 rabbits (2/sex) with intact skin were applied the test agent (a brown liquid) at a dose of 2 gm/kg on a gauze patch. The rabbits were then exposed to 2,4-DP butoxy ethanol ester for 24 hr.

RESULTS: In the abraded skin group 2/3 female showed mild erythema which was also observed in 1 male and 1 female of the intact skin group (2/4 animals). No additional toxicity was reported.