



CONTAINING INFORMATION

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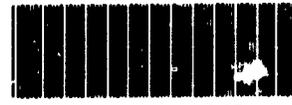
UNION CARBIDE CHEMICALS AND PLASTICS COMPANY INC.
HEALTH, SAFETY AND ENVIRONMENTAL AFFAIRS

November 22, 1991

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

8EHO-1291-1467 SUPP
88920000113:PDCN
3pp

Document Processing Center (TS-790)
Room L-100
Office of Toxic Substances
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460



89920000077

Attn: Section 3(e) Coordinator (CAP Agreement)

Re: CAP Agreement Identification No. 8ECAP-0110

Dear Sir or Madam:

Union Carbide Corporation ("Union Carbide") herewith submits the attached amended summary to its report (identified below) which was sent to EPA on October 31, 1991 pursuant to the terms of the TSCA §8(e) Compliance Audit Program and Union Carbide's CAP Agreement dated August 14, 1991 (8ECAP-0110).

The attached amended summary replaces the summary which was attached to the original submission.

"Iminobis (propylamine): Range Finding Toxicity Studies", Chemical Hygiene Fellowship (Carnegie-Mellon University), Project Report 40-103, August 17, 1977.

Yours truly,

William C. Kuryla, Ph.D.
Assistant Director
Product Safety
(203/794-5230)

WCK/cr

Attachment (3 copies of 06051004 and 06051004 summary) 06817-0001

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SUMMARY

40-103

Iminobis (propylamine)

Range Finding Toxicity Studies

Sponsor: *Union Carbide Corporation*

* * * * *

Summary

Stomach Intubation, rat - LD50 = 0.707 ml/kg; dosed as received.

Skin Penetration, rabbit - LD50 = 0.252 ml/kg; dosed as received.

Inhalation, rat -

Substantially saturated vapor, dynamic conditions at 24°C.
8 hours killed 0 of 6.

Uncovered Skin Irritation, rabbit - Moderate, Grade 6.

Eye Injury, rabbit - Severe, Grade 9.

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Peroral, Single Dose to Rats

LD50 - 0.707 (0.461 to 1.08) ml/kg; dosed as received.

Conditions - Standard.

Dosage; ml/kg	Dead Dosed	Days to Death	Weight Change	Signs and/or Symptoms
4.0	3/3	0,0,0	-	Death within 2 hr
2.0	5/5	1,1,1,1,1	-	Piloerection 2.5 hr
1.0	4/5	1,1,1,1	55 gm	In survivor, piloerection, bloody urine 2 days; emaciation 3 to 6 days; fur orangish 6 days; bilateral lens opacity 8 days; eyes completely opaque 13 days*
0.5	1/5	1	91 to 106 gm	-
0.25	0/5	-	100 to 144 gm	-

Gross Pathology - In victims, petechial hemorrhages to diffuse hemorrhages of the lungs; livers pale, mottled, acini prominent; spleens mottled; kidneys pale, mottled, sections congested; adrenals congested; stomachs and intestines distended, transparent, liquid-filled; pylori pink to hemorrhaged; intestines yellow or pink. In survivors, acini of livers prominent.

Conclusions - Moderately toxic following acute peroral intubation.

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