

AR226-3709

Case Report

Civilian Deaths

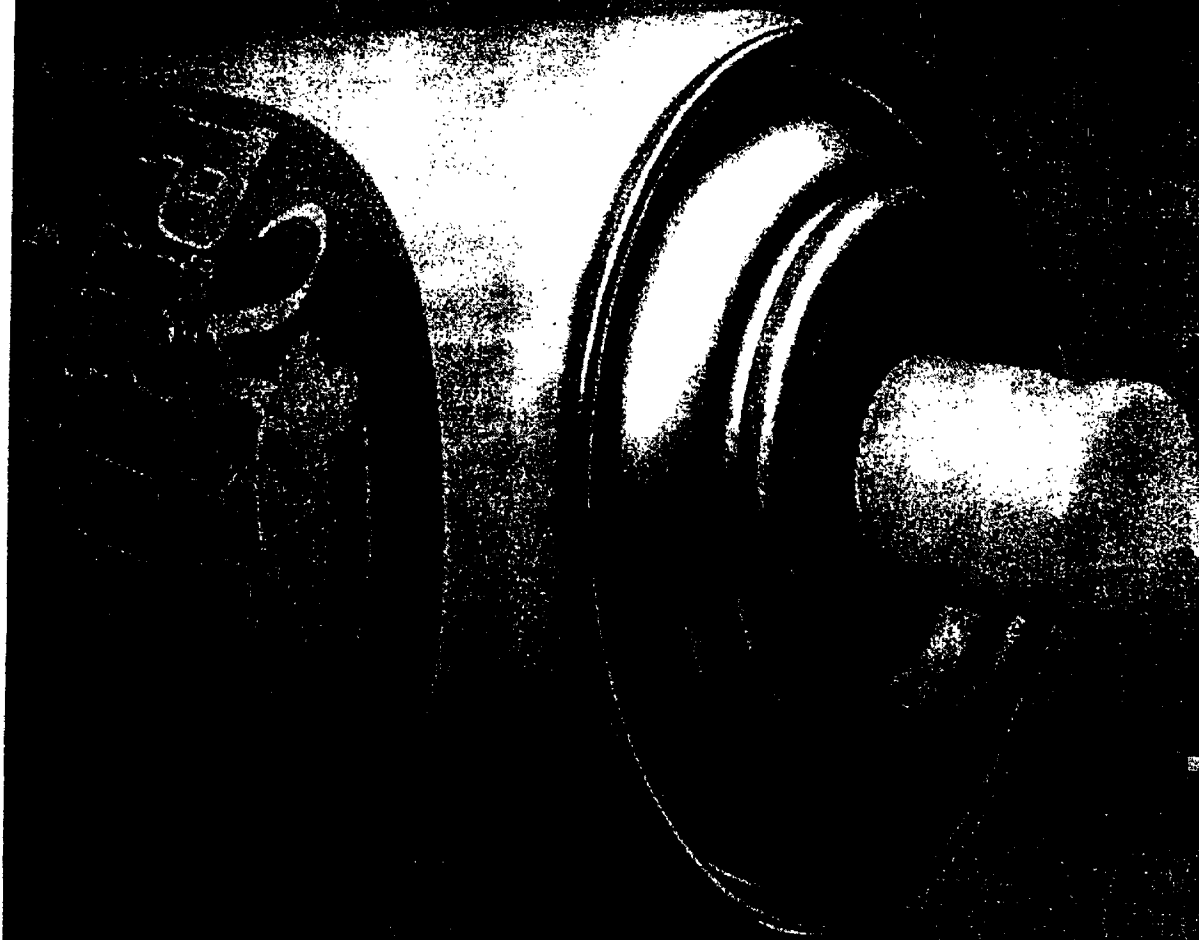
based on

data collection

Person Information Center

Orlando, NY 10000-0000

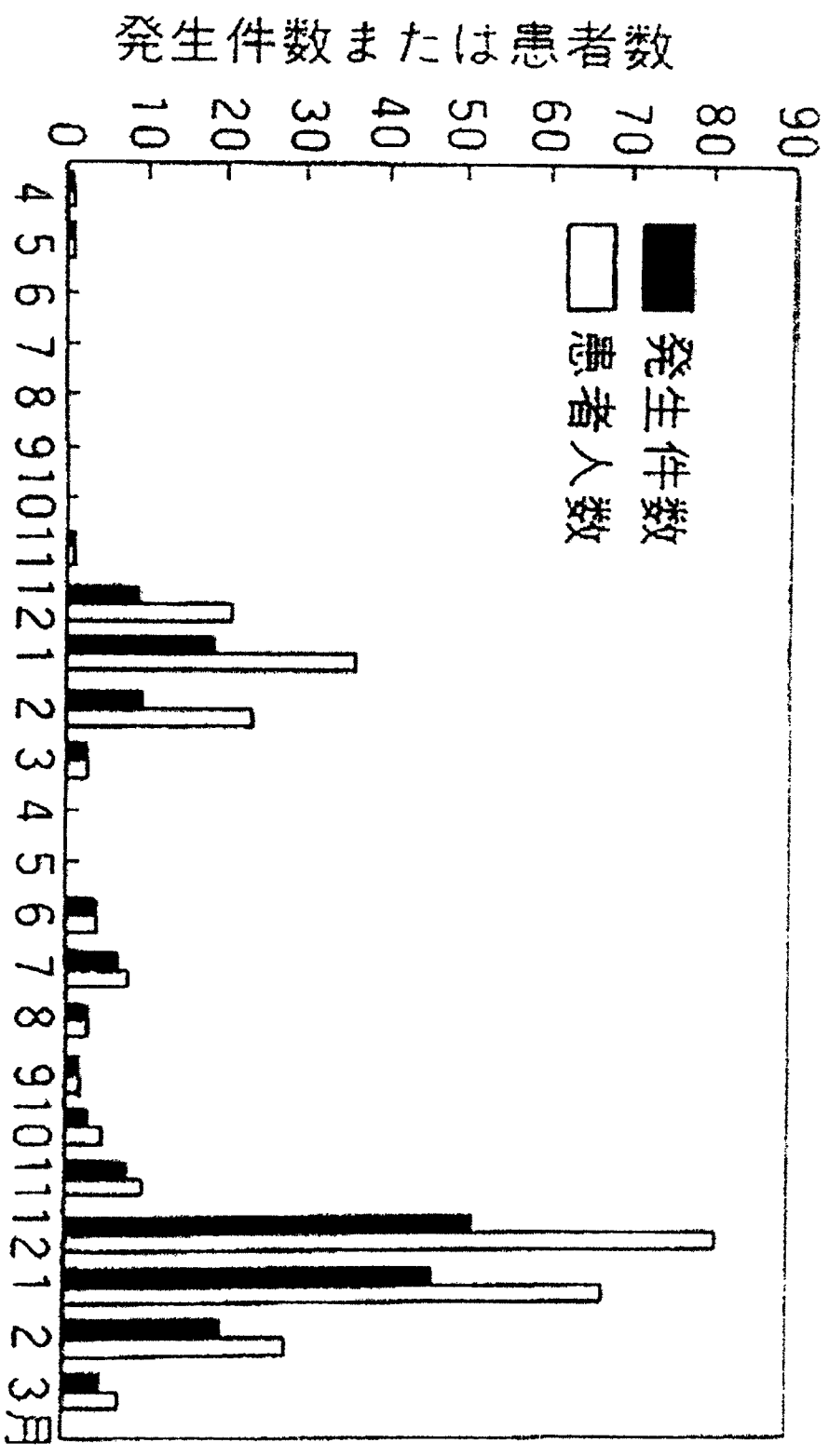
Waterproofing Spray



Outdoor Sports
Shower Gels

Outdoor Sports
Shower Gels

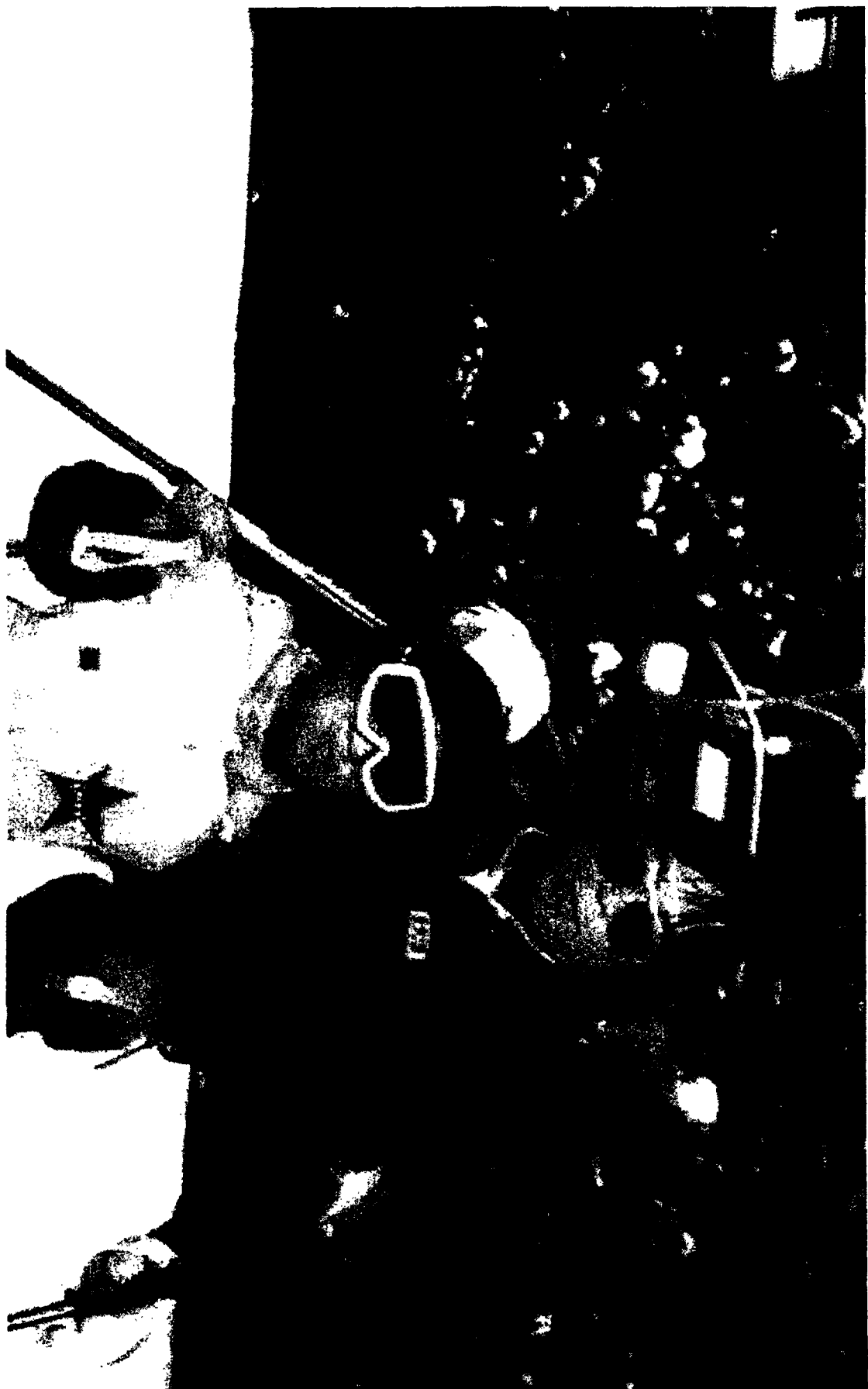




1992年 1993年

Number of telephone inquiries

about a waterproofing spray



Japan is a snowy country



Typical case of waterproofing spray poisoning

Case 1 17y female

Am 8: used a waterproofing spray in a hotel room

Am 11: tachypnea, headache, nausea

PM 10: PaO₂ 53mmHg, lung edema on chest X-ray
(6 days admission)

Case 2 24y male

AM 7: used a waterproofing spray in his car

AM 8: dyspnea,

AM 11: PaO₂ 59mmHg, lung edema on chest X-ray
(8 days admission)

Waterproofing Spray

Solvent

1,1,1-trichlorethane
isopropyl alcohol
n-hexane
n-heptane

Propellant

Liquefied Petroleum gas (LPG)
Carbon dioxide (CO₂)
Waterproofing agent
fluorocarbon resin

Summary of telephone inquiries about a waterproofing spray (1992)

Product	No. of Tel. inquiries	
(A)	16	Fluorocarbon resin Silicon resin, n-heptane
(B)	15	Fluorocarbon resin n-hexane, gasoline
(C)	1	Fluorocarbon resin N-hexane
(D)	1	Fluorocarbon resin, 1,1,1-trichloroethane
(E)	1	Fluorocarbon resin, 1,1,1-trichloroethane
(F)	1	Fluorocarbon resin, 1,1,1-trichloroethane
Others and unknown	8	

Summary of telephone inquiries about a waterproofing spray (1993)

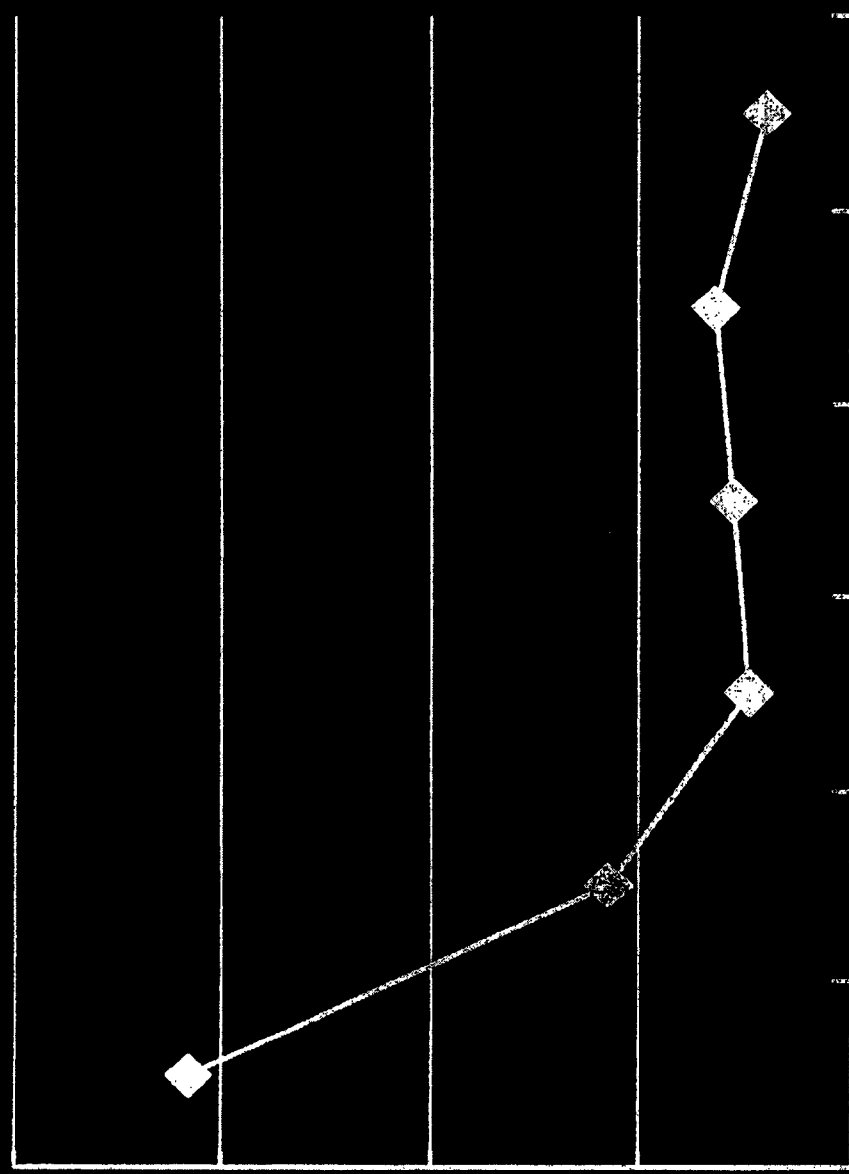
Product	No. of Tel. inquiries	
(1)	52	Fluorocarbon resin A, 1,1,1-trichlorethane
(2)	19	Fluorocarbon resin A, Isopropyl alcohol
(3)	11	Fluorocarbon resin A, Iso-hexane, other chemicals
(4)	6	Fluorocarbon resin B, Silicon resin, other chemicals
(5)	2	Fluorocarbon resin B, Silicon resin, other chemicals
(6)	3	Fluorocarbon resin B, Silicon resin, n-heptane,
Others and unknown	58	

Previous Reports

- From the CDC; Acute respiratory illness linked to use of aerosol leather conditioner – Oregon 1992. JAMA 1993; 269: 568-569
- Burkhardt KK et al: Pulmonary toxicity following exposure to an aerosolized leather protector. Clin Txcol 1996; 34: 21-24



Number of telephone inquiries : a waterproofing spray





For your attention

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