

OCCUPATIONAL EXPOSURE TO VINYL CHLORIDE
8-HOUR TIME WEIGHTED AVERAGES*

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Manufacturing Type(VCM, PVC resin, compound or extrusion)	Operation/Job category	1988	1989	1990	1991	1992 JAN THROUGH SEPT
PVC resin	GENERAL MECHANIC	02 (144,224)	02 (82,234)	01 (68,234)	01 (11,239)	02 (69,171)
	GENERAL HELPER	07 (105,30)	02 (17,29)	<01 (<01,36)	02 (23,36)	<01 (<01,25)
	YARD OPERATOR	02 (20,48)	04 (149,52)	<01 (<01,42)	01 (120,44)	01 (09,35)
	DRYER OPERATOR	<01 (<01,93)	08 (300,92)	<01 (<01,93)	<01 (<01,93)	<01 (<01,69)
	VINYL REACTOR OPERATOR	02 (51,90)	02 (74,95)	<01 (<01,88)	01 (17,94)	02 (34,69)
	VINYL CHIEF OPERATOR	02 (46,47)	01 (14,46)	<01 (<01,49)	<01 (<01,47)	02 (19,33)
	VINYL SHIFT SUPERVISOR	01 (14,50)	<01 (<01,48)	03 (38,45)	02 (71,48)	<01 (<01,35)
	INSTRUMENT TECHNICIAN	<01 (<01,34)	<01 (<01,32)	<01 (<01,31)	03 (63,25)	<01 (<01,23)
	VINYL LEAD OPERATOR	<01 (<01,141)	<01 (<01,139)	<01 (<01,134)	<01 (<01,137)	<01 (<01,106)
	COMPOUND OPERATIONS SUPERINTENDENT	—	<01 (<01,1)	—	<01 (<01,1)	—
	COMPOUND OPERATIONS SUPERVISOR	—	<01 (<01,1)	—	—	—
	COMPOUND SHIFT SUPERVISOR	<01 (<01,3)	<01 (<01,1)	<01 (<01,2)	<01 (<01,1)	<01 (<01,1)
	PROCESS ENGINEER	—	<01 (<01,1)	<01 (<01,5)	<01 (<01,2)	<01 (<01,2)

Give average concentrations in ppm followed by maximum and # of samples in parentheses, if possible
 Attach additional pages as necessary to discuss additional information such as indicate detection limits and
 handling of non-detectable measurements

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PVC resin	DRAFTSMAN	<0.1 (<0.1, 1)	<0.1 (<0.1, 1)	—	—	—
	MANUFACTURING CHEMIST	<0.1 (<0.1, 1)	<0.1 (<0.1, 1)	<0.1 (<0.1, 1)	—	—
	LAB LEAD TECHNICIAN	—	<0.1 (<0.1, 1)	—	—	<0.1 (<0.1, 1)
	CHIEF PLANT CHEMIST	—	<0.1 (<0.1, 1)	—	—	—
	LAB DEVELOPMENT TECHNICIAN	—	<0.1 (<0.1, 1)	—	—	—
	SAFETY DIRECTOR	—	<0.1 (<0.1, 2)	<0.1 (<0.1, 1)	<0.1 (<0.1, 1)	<0.1 (<0.1, 1)
	SAFETY SUPERVISOR	—	<0.1 (<0.1, 2)	<0.1 (<0.1, 1)	—	<0.1 (<0.1, 1)
	SAFETY INSPECTOR	<0.1 (<0.1, 1)	<0.1 (<0.1, 2)	<0.1 (<0.1, 1)	<0.1 (<0.1, 1)	—
	LEAD WAREHOUSE WORKER	—	<0.1 (<0.1, 1)	—	—	—
	RECEIVING LEAD OPERATOR	—	<0.1 (<0.1, 1)	<0.1 (<0.1, 1)	—	—
	STORE KEEPER	<0.1 (<0.1, 1)	<0.1 (<0.1, 1)	—	—	—
	VINYL OPERATIONS ENGINEER	<0.1 (<0.1, 5)	<0.1 (<0.1, 10)	<0.1 (<0.1, 9)	<0.1 (<0.1, 7)	<0.1 (<0.1, 5)
	VINYL OPERATIONS SUPERINTENDENT	<0.1 (<0.1, 9)	<0.1 (<0.1, 10)	<0.1 (<0.1, 8)	<0.1 (<0.1, 10)	<0.1 (<0.1, 9)

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PVC resin	YARD SUPERVISOR	<0.1 (0.1, 10)	<0.1 (0.1, 5)	<0.1 (0.1, 9)	<0.1 (0.1, 11)	<0.1 (0.1, 7)
	VINYL OPERATIONS SUPERVISOR	<0.1 (0.1, 10)	<0.1 (0.1, 10)	<0.1 (0.1, 9)	<0.1 (0.1, 5)	<0.1 (0.1, 6)
	INSTRUMENT & ELECTRICAL SUPERVISOR	<0.1 (0.1, 11)	<0.1 (0.1, 9)	<0.1 (0.1, 9)	<0.1 (0.1, 9)	<0.1 (0.1, 7)
	MAINTENANCE SUPERINTENDENT	<0.1 (0.1, 10)	<0.1 (0.1, 5)	<0.1 (0.1, 7)	<0.1 (0.1, 7)	<0.1 (0.1, 5)
	MECHANICAL SUPERINTENDENT	<0.1 (0.1, 5)	<0.1 (0.1, 6)	<0.1 (0.1, 9)	<0.1 (0.1, 7)	<0.1 (0.1, 10)
	ELECTRICIAN	<0.1 (0.1, 22)	<0.1 (0.1, 34)	<0.1 (0.1, 26)	<0.1 (0.1, 21)	<0.1 (0.1, 10)
	PAINTER-INSULATOR -CARPENTER	<0.1 (0.1, 10)	<0.1 (0.1, 10)	<0.1 (0.1, 9)	<0.1 (0.1, 11)	<0.1 (0.1, 6)
	MAINTENANCE SUPERVISOR	<0.1 (0.1, 34)	<0.1 (0.1, 35)	<0.1 (0.1, 33)	<0.1 (0.1, 30)	<0.1 (0.1, 29)
	MAINTENANCE ENGINEER	—	—	<0.1 (0.1, 9)	<0.1 (0.1, 10)	<0.1 (0.1, 7)
	UTILITY TECHNICIAN	<0.1 (0.1, 3)	—	<0.1 (0.1, 15)	<0.1 (0.1, 9)	<0.1 (0.1, 9)
	PLANT MANAGER	<0.1 (0.1, 1)	—	<0.1 (0.1, 1)	<0.1 (0.1, 1)	—
	PLANT SUPERINTENDENT	—	—	<0.1 (0.1, 1)	<0.1 (0.1, 1)	<0.1 (0.1, 1)
	CONTRACT SUPERVISOR	<0.1 (0.1, 1)	—	—	—	—

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