

OSHA VINYL CHLORIDE STANDARD

Solvent Resin (514) Monitoring Data*
(Period September-October, 1975)

Carbide
Smith
Charles for
Solvent
Unit

<u>Job Title</u>	<u>Range</u>	<u>Average</u>
Autoclave Operator	1.0 - 4.93 ppm	2.92 ppm
Varnish Blending Operator	-	0.22 ppm
Dispersator Operator	-	0.25 ppm
Dryer Operator	NIL - 0.4 ppm	0.2 ppm
Stillis Operator	NIL - 0.12 ppm	0.06 ppm
Transfer Operator	-	0.4 ppm
Compressor Operator	NIL - 0.12 ppm	0.06 ppm
Weighmaster	0.04 - 0.09 ppm	0.06 ppm
Mechanics	0.28 - 4.35 ppm	1.09 ppm
Truck Driver	0.06 - 1.23 ppm	0.59 ppm
Office Staff	0.05 - 0.18 ppm	0.12 ppm
Maintenance (153)	NIL - 1.0 ppm	0.31 ppm

*8 Hour TWA

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OSHA VINYL CHLORIDE STANDARD

DESIRABLE CHANGES

1. EXEMPT PVC RESIN FROM REGULATION WHEN VCM CONCENTRATION IS MINIMAL.
2. EXEMPT EXPORT SHIPMENTS FROM THE LABELING REQUIREMENTS.
3. EXEMPT FIFTY POUNDS OR LESS OF PVC RESIN FROM REGULATION.
4. REDEFINE THE ACTION LEVEL CONCENTRATION SO THAT IT ACTIVATES THE REGULATION.
5. MAKE MEDICAL EXAMINATION AND SURVEILLANCE MANDATORY.
6. REQUIRE AUTOMATIC ANALYZERS IN REGULATED AREAS FOR MONITORING.

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PROPOSED ENVIRONMENTAL PROTECTION
AGENCY REGULATION
VINYL CHLORIDE

SCOPE

MONOMER MANUFACTURE
RESIN MANUFACTURE

REQUIREMENTS FOR RESIN MANUFACTURE

1. MONOMER HANDLING EQUIPMENT AS SPECIFIED
2. MONITORING AND LEAK REPAIR AS SPECIFIED
3. PROCESS VENTS VCM CONC. 10 PPM MAXIMUM
4. PROCESS WASTE WATER VCM CONC. 100 PPM MAXIMUM
5. EMERGENCY VENTS NOT PERMITTED
6. REACTOR CLEANING EMISSION 0.001 LB/CWT P
7. EQUIPMENT MAINTENANCE EMISSION
 - a. 2% OF MAJOR EQUIPMENT VOLUME
 - b. 50% OF MINOR EQUIPMENT VOLUME
8. EMISSIONS DOWNSTREAM OF THE RESIN STRIPPER ARE DECONTROLLED IF THE VCM CONC. IN THE RESIN AT THIS POINT IS:
 - a. 2,000 PPM FOR DISPERSION RESIN
 - b. 400 PPM FOR ALL OTHER PROCESSES
9. REPORT ALL EMISSIONS IN EXCESS OF STANDARD

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