

1ppm
1ppb

1 minute in 2yrs
1 minute in 200yrs

January 3, 1979

1. WE ARE IN FULL COMPLIANCE WITH CURRENT OSHA REGULATIONS REGARDING EXPOSURE OF EMPLOYEES TO VINYL CHLORIDE.

OCCUPATIONAL EXPOSURES OF VINYL CHLORIDE ARE NOW LIMITED TO ONE PART PER MILLION (1PPM). ACCORDING TO PROF. WILSON'S CALCULATIONS, THE LIFETIME RISK OF VINYL CHLORIDE WORKERS CONTRACTING LIVER CANCER UNDER THE 1PPM STANDARD IS ONE IN EVERY 10,000 (0.00001). TO PUT THIS INTO FURTHER PERSPECTIVE, THE LIFETIME RISK OF COAL MINERS CONTRACTING BLACK LUNG DISEASE IS ONE IN EVERY FOUR AND THE ACCIDENT RATE FOR FIREFIGHTERS IS THREE IN EVERY 100.

2. WE ARE COMPLYING WITH THE NEW EPA REGULATIONS ISSUED IN LATE OCTOBER 1976 REGARDING EMISSIONS TO THE AIR AND THE WATER.

WHILE THE RISK TO THE COMMUNITY RESIDENT IS VERY LOW, ITS MEANING CAN ONLY BE GRASPED BY A COMPARISON WITH OTHER RISKS. FOR EXAMPLE, THE THEORETICAL RISK OF GETTING CANCER FROM EXPOSURE TO VINYL CHLORIDE BY LIVING NEAR AN UNCONTROLLED PLANT WAS EQUAL TO SMOKING 1/15 OF A CIGARETTE, DRINKING 1/3 OUNCE OF WINE OR 1-1/2 CANS OF DIET SODA OR EATING 1/2 TABLESPOONS OF PEANUT BUTTER. LOOKING AT IT ANOTHER WAY, SMOKING ONE CIGARETTE IS WORSE THAN LIVING NEAR A CONTROLLED PVC PLANT FOR BETWEEN 75 AND 750 YEARS.

per day???

3. INGESTION OF VCM VIA FOOD PACKAGES IS MINIMAL.

TO PUT INTO PERSPECTIVE THE RISK OF AN EARLY FATALITY FROM THE INGESTION OF VINYL CHLORIDE, PROF. WILSON COMPARED THE RISK WITH SEVERAL OTHER RISKS FOR THE U.S. POPULATION. FOR INGESTION OF VINYL CHLORIDE HE CALCULATED THE RISK OF A FATALITY AS SEVEN IN 10 BILLION. FOR VACCINATION FOR SMALL POX THE RISK IS 3 IN 100,000. FOR CANCER OF ALL TYPES THE RISK IS 16 IN 10,000 AND FOR CIGARETTE SMOKING THE RISK OF A FATALITY IS 3 in 1,000.