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PLAINTIFF'S EXHIBIT
UC-4551

UNION CARBIDE CORPORATE OCCUPATIONAL HEALTH MANUAL

SUBJECT	SECTION DEFINITIONS	
DEFINITIONS	DATE 10/2/80	PAGE 1 OF 19
	APPLIES TO ☒ UNITED STATES ☒ INTERNATIONA	

ACCIDENT

An undesired and unplanned event that results in harm to a person and/or damage to property.

ACTION LEVEL (AL)

Workspace concentration standard which is below the Permissible Exposure Limit as defined by OSHA.

ACUITY

Pertains to the sensitivity of a bodily organ in performing its function.

ACUTE TOXICITY

Short-term effects of exposure to poisonous substances.

ALLERGY

A response of a hypersensitive person to chemical and physical stimuli.

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ALVEOLI

Tiny air sacs of the lungs at the end of a bronchiole, through which gas exchange takes place by which the blood takes in oxygen and gives up its carbon dioxide in the process of respiration.

AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH)

A professional organization devoted to the development of administrative and technical guidelines for worker health protection. (ACGIH defines TLV's). Membership is limited to professional personnel in government agencies or educational institutions engaged in occupational safety and health programs.

ANGIOSARCOMA

A rare form of cancer, originating in blood vessels, which may occur in the liver. Has been associated with exposure to vinyl chloride.

ANOXIA AGENT

A chemical causing a severe deficiency of oxygen reaching the tissues of the body and resulting in permanent damage if continuing exposure is permitted. Of special concern for fertile females in the workplace because of effect on the embryo-fetus.

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AREA COMPANIES

International components of Union Carbide. Includes UC Canada, UC Eastern, UC Europe, UC Mid-East-Africa, and UC Pan America.

ATTENUATION (Sound)

The reduction, expressed in decibels, of the sound intensity at a designated first location as compared with sound intensity at a second location, which is accoustically farther from the source.

AUDIBLE RANGE

The frequency range over which normal ears hear--approximately 20 Hz through 20,000 Hz. Above the range of 20,000 Hz, the term ultrasonic is used. Below 20 Hz, the term subsonic is used.

AUDIOGRAM

A record of hearing ability loss or hearing level measured at several different frequencies--usually 500 to 6000 Hz. The audiogram may be presented graphically or numerically.

AUDIOMETER

A signal generator or instrument which can be operated manually or automatically for measuring objectively the sensitivity of hearing in decibels referred to audiometric zero. Pure tone audiometers are standard instruments for industrial use.

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BENIGN

Not malignant; not recurring; associated with tumors.

BIOASSAY

Determination of the relative activity of a substance by comparing its biological effect on a test organism with that of a standard preparation. Bioassay also refers to analysis of toxic materials or their metabolic products in human tissue or excreta.

BRONCHIAL TUBES (Bronchioles)

Branches or subdivisions of the trachea (windpipe) which carry air into and out of the lungs.

CARCINOGEN

Any tumor-producing substance or agent.

CARCINOMA

Cancer in cells that line the body's internal and external surfaces (lung, breast, skin).

CHRONIC TOXICITY

Long-term effects of exposure to poisonous substances.

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CILIA

Tiny hair-like "whips" in the bronchi and other respiratory passages that normally aid in the removal of dust trapped on these moist surfaces.

COCHLEA

The auditory part of the inner ear which contains the nerve cells which when damaged results in hearing impairment.

COMPONENT

U.S. division or (International) Area Company.

CORPORATE

Applicable to Union Carbide Corporation and its affiliated companies (Note: "UCC" refers only to the parent company).

CRITERIA DOCUMENT

Results of research on hazards to health and safety or standards prepared by NIOSH for OSHA, often with recommendations for establishing occupational health standards. It is not a regulation or a standard and has no legally enforceable aspects.

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DECIBEL (dB)

A dimensionless unit used to express a logarithmic ratio between a measured quantity and a preference quantity. It is commonly used to describe the levels of acoustic intensity, acoustic power sound pressure levels, and hearing threshold when a reference quantity is specified.

DIVISION (UCC)

A U.S. component of UCC.

EMPHYSEMA

A lung disease resulting from the enlargement of the alveoli accompanied by destruction of normal tissue.

EPIDEMIOLOGY

A branch of medical science that deals with the incidence, distribution, and control of disease in a population. In Union Carbide this would most likely be studies to determine health effects from exposure of employees to substances in the workplace.

ETIOLOGY

The study or knowledge of the causes of disease.

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EXPOSURE INFORMATION

Work assignment history, applicable area sampling data, specific industrial hygiene sampling results and other applicable data as defined by OSHA or other government agencies concerning Union Carbide employees obtained by industrial hygiene or health physics department personnel. The written exposure data is the employee's exposure record.

GENOTOXIN

All-encompassing term coined to describe any substance - carcinogen, mutagen, or teratogen - that somehow adversely affects genetic development.

GUIDELINE

A suggested method of sound operation which has been proven effective. Other methods are acceptable only if they produce equivalent results.

HAZARD

A dangerous or perilous condition, potential or inherent, which can bring about an interruption or interference with the expected orderly progress of an activity or individual.

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INCIDENT

An undesired event that could, under different circumstances (time, distance, etc.) have resulted in an accident.

INSPECTION, HEALTH

An examination of a specific item or group of items to detect unhealthful conditions and practices before they produce a problem.

IN VITRO

Outside the body, usually refers to test methods conducted in test tubes and petri dishes.

IN VIVO

In living organisms, usually refers to test methods involving animal experiments.

LATENT PERIOD

The time which elapses between exposure and the first manifestation of damage.

LC_{50}

The airborne concentration of a given substance that when inhaled over a period of time will kill 50% of the animals under test.

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LD_{50}

The oral dose which is required to produce death in 50% of the exposed species, usually within the first 30 days.

LEUKEMIA

Progressive proliferation of abnormal leukocytes found in blood forming tissues, other organs and usually in the blood in increased numbers.

LYMPHOMA

A malignancy in the lymphoid tissue of the body.

MALIGNANT

Tending to become progressively worse and to result in death. In the case of a neoplasm, having the property of uncontrollable growth and dissemination, or recurrance after removal, or both.

MANDATORY MEDICAL EXAMINATIONS

Such examinations are required as a condition of employment for affected employees. Examples are: preplacement physicals; transfer or promotional opportunity physicals; medical surveillance required for continued participation in the job either by the Corporation or governmental regulation (e.g., airplane pilots); and Company-required

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MANDATORY MEDICAL EXAMINATION

examinations for the determination of occupational health risk, whether pursuant to law or otherwise.

MEDICAL INFORMATION

Diagnosis, medical opinions and other medical information concerning Union Carbide Corporation employees obtained by medical department personnel. It may be in oral or written form. When written, it is part of the employee's medical record.

MEDICAL REPORTS

Referral letters or recorded verbal discussions from or with medical professionals not employed by Union Carbide Corporation, e.g., physicians, nurses, physiotherapists, phychologists, etc., and summaries, notes, etc., not related to specific visits or requests for medical services by an employee patient.

MELANOMA SKIN CANCER

A rare form of cancer which originates in certain skin lesions and spreads to the internal organs.

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METASTASIS

A secondary growth of a malignant tumor in another part of the body, i.e., spread of cancer from the primary tumor to other parts of the body.

MORBIDITY

The relative incidence of disease.

MORTALITY

The death rate.

MUTAGEN

A chemical or physical agent that induces genetic mutations.

NARCOSIS

Stupor or unconsciousness produced by chemical substances.

NATIONAL CANCER INSTITUTE (NCI)

One of the ten institutes within the National Institutes of Health, part of the Department of Health and Human Services.

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NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

The "research arm" for OSHA. Established in the Department of Health and Human Services to (1) develop and recommend occupational safety and health standards for OSHA and (2) perform research and training functions connected with the Act.

NEOPLASM

A new growth of tissue serving no physiologic function.

Syn: Tumor.

NOISE

Unwanted sound. Unwanted because it can cause annoyance, interfere with speech or communication, and/or cause hearing impairment.

NON-OCCUPATIONAL DISPENSARY VISITS

Visits for diagnosis, treatment or advice on injuries or illnesses not claimed to have arisen out of or in the course of employment but which affect the employee's ability to perform his/her job. They do not include treatment, etc., of an employee by the company contract physician in his capacity as the employee's private physician.

OBJECTIVE

An end toward which effort is directed.

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