

STATUS OSHA HEALTH STANDARDS  
FOR CHEMICAL EXPOSURE - APRIL 1978

- 18 OSHA HEALTH STANDARDS COMPLETED
- 30 OSHA HEALTH STANDARDS PROPOSED
  - 13 DEVELOPED FROM CRITERIA DOCUMENTS
  - 17 DEVELOPED BY STANDARDS COMPLETION PROGRAM
- 69 CRITERIA DOCUMENTS DEVELOPED BY NIOSH AND TRANSMITTED TO OSHA
- 106 DRAFT TECHNICAL STANDARDS PREPARED BY NIOSH UNDER STANDARDS COMPLETION PROGRAM
- 400 CHEMICALS (INCLUDING MOST OF ABOVE) COVERED BY OSHA REGULATION 1910.93

OSHA HEALTH STANDARDS - 18 COMPLETED

(1971 to 1975)

ASBESTOS

CARCINOGENS

4-NITROBIPHENYL

ALPHA-NAPHTHYLAMINE

METHYL-CHLOROMETHYL ETHER

3,3'-DICHLOROBENZIDINE

BIS-(CHLOROMETHYL) ETHER

BETA-NAPHTHYLAMINE

BENZIDINE

4-AMINODIPHENYL

ETHYLENEIMINE

BETA-PROPIOLACTONE

2-ACETYLAMINOFLUORENE

4-DIMETHYLAMINO AZOBENZENE

N-NITROSODIMETHYLAMINE

VINYL CHLORIDE

\* BENZENE

\* ACRYLONITRILE

\* DIBROMOCHLOROPROPANE

OSHA HEALTH STANDARDS - 30 PROPOSED

|                                           |               |
|-------------------------------------------|---------------|
| AMMONIA                                   | NOV. 25, 1975 |
| ARSENIC (INORGANIC)                       | JAN. 21, 1975 |
| ASBESTOS (REVISED)                        | OCT. 9, 1975  |
| BERYLLIUM                                 | OCT. 17, 1975 |
| COKE OVEN EMISSIONS                       | JULY 31, 1975 |
| <u>KETONES</u>                            | MAY 15, 1975  |
| (2)-BUTANONE (MEK)                        |               |
| CYCLOHEXANONE                             |               |
| ETHYL BUTYL KETONE                        |               |
| HEXONE (MIBK)                             |               |
| METHYL N-AMYL KETONE                      |               |
| 2-PENTANONE (MPK)                         |               |
| KETONES AND OZONE                         | FEB. 6, 1975  |
| ALPHA-METHYLSTYRENE                       |               |
| CAMPHOR                                   |               |
| CUMENE                                    |               |
| CYCLOHEXANE                               |               |
| ETHYL BENZENE                             |               |
| MESITYL OXIDE                             |               |
| 5-METHYL-3-HEPTANONE                      |               |
| OZONE                                     |               |
| P-TERT.-BUTYL TOLUENE                     |               |
| STYRENE                                   |               |
| VINYL TOLUENE                             |               |
| LEAD (INORGANIC)                          | OCT. 3, 1975  |
| MOCA (4,4'-METHYLENE BIS(2-CHLOROANILINE) | FEB. 3, 1975  |
| NOISE                                     | OCT. 24, 1974 |
| SULFUR DIOXIDE                            | NOV. 24, 1975 |
| TOLUENE                                   | OCT. 6, 1975  |
| TRICHLOROETHYLENE                         | OCT. 20, 1975 |
| CARCINOGENS (GENERIC POLICY)              | OCT. 4, 1977  |
| COTTON DUST                               | DEC. 28, 1976 |

31 CRITERIA DOCUMENTS DEVELOPED BY NIOSH

|                                           | <u>Date Transmitted to DOL</u> |
|-------------------------------------------|--------------------------------|
| ACRYLAMIDE                                | JAN. 6, 1977                   |
| ACRYLONITRILE                             | OCT. 13, 1977                  |
| ALKANES                                   | JULY 7, 1977                   |
| ALLYL CHLORIDE                            | NOV. 25, 1976                  |
| ASPHALT FUMES                             | OCT. 6, 1977                   |
| BENZOYL PEROXIDE                          | AUG. 4, 1977                   |
| BORON TRIFLUORIDE                         | FEB. 17, 1977                  |
| CADMIUM                                   | AUG. 26, 1976                  |
| CARBON DIOXIDE                            | NOV. 4, 1976                   |
| CARBON DISULFIDE                          | MAY 12, 1977                   |
| CHLOROPRENE                               | OCT. 20, 1977                  |
| COAL TAR                                  | OCT. 6, 1977                   |
| DIOXANE                                   | SEPT. 15, 1977                 |
| EPICHLOROHYDRIN                           | DEC. 9, 1976                   |
| FIBROUS GLASS                             | JUNE 30, 1977                  |
| FLUOROCARBON POLYMERS                     | OCT. 6, 1977                   |
| FORMALDEHYDE                              | JAN. 13, 1977                  |
| HYDROGEN CYANIDE                          | DEC. 2, 1976                   |
| HYDROGEN SULFIDE                          | MAY 19, 1977                   |
| MALATHION                                 | NOV. 18, 1976                  |
| METHYL PARATHION                          | DEC. 16, 1976                  |
| NICKEL (INORGANIC)                        | JULY 21, 1977                  |
| ORGANOTIN COMPOUNDS                       | NOV. 18, 1976                  |
| PARATHION                                 | JULY 8, 1976                   |
| PETROLEUM SOLVENTS                        | SEPT. 29, 1977                 |
| PHENOL                                    | NOV. 11, 1976                  |
| POLYCHLORINATED BIPHENYLS                 | OCT. 6, 1977                   |
| TETRACHLOROETHANE                         | MARCH 3, 1977                  |
| 1,1,1-TRICHLOROETHANE (METHYL CHLOROFORM) | SEPT. 16, 1976                 |
| TUNGSTEN AND CEMENTED TUNGSTEN CARBIDE    | OCT. 6, 1977                   |
| VANADIUM                                  | SEPT. 1, 1977                  |

38 CRITERIA DOCUMENTS DEVELOPED BY NIOSH

DATE TRANSMITTED TO DOL

|                         |                |
|-------------------------|----------------|
| ACETYLENE               | JULY 1, 1976   |
| AMMONIA                 | AUG. 1, 1974   |
| ARSENIC                 | MAY 22, 1975   |
| ASBESTOS                | FEB. 10, 1975  |
| BENZENE                 | AUG. 1, 1974   |
| BERYLLIUM               | JULY 6, 1972   |
| CARBARYL (SEVIN)        | JAN. 6, 1977   |
| CARBON MONOXIDE         | JULY 13, 1973  |
| CARBON TETRACHLORIDE    | FEB. 12, 1976  |
| CHLORINE                | JUNE 3, 1976   |
| CHLOROFORM              | SEPT. 19, 1974 |
| CHROMIC ACID            | JULY 26, 1973  |
| CHROMIUM (VI)           | JAN. 8, 1976   |
| COKE OVEN EMISSIONS     | MAR. 8, 1973   |
| COTTON DUST             | SEPT. 26, 1974 |
| ETHYLENE DICHLORIDE     | APRIL 29, 1976 |
| FLUORIDES               | SEPT. 4, 1975  |
| HEAT STRESS             | JULY 13, 1974  |
| HYDROGEN FLUORIDE       | APRIL 8, 1976  |
| ISOPROPYL ALCOHOL       | APRIL 8, 1976  |
| KEPONE                  | FEB. 5, 1976   |
| LEAD (INORGANIC)        | JAN. 18, 1973  |
| MERCURY (INORGANIC)     | AUG. 23, 1973  |
| METHYL ALCOHOL          | JUNE 17, 1976  |
| METHYLENE CHLORIDE      | JUNE 24, 1976  |
| NITRIC ACID             | JUNE 24, 1976  |
| NITROGEN OXIDES         | APRIL 1, 1976  |
| PHOSGENE                | FEB. 26, 1976  |
| RADIATION (ULTRAVIOLET) | JAN. 18, 1973  |
| SILICA (CRYSTALLINE)    | NOV. 14, 1974  |
| SODIUM HYDROXIDE        | OCT. 9, 1975   |
| SULFUR DIOXIDE          | FEB. 21, 1974  |
| SULFURIC ACID           | JUNE 20, 1974  |
| TOLUENE                 | JULY 26, 1973  |
| TOLUENE DIISOCYANATE    | JULY 19, 1973  |
| TRICHLOROETHYLENE       | AUG. 2, 1973   |
| XYLENE                  | JUNE 12, 1975  |
| ZINC OXIDE              | OCT. 30, 1975  |

1 IN 1972  
9 IN 1973  
8 IN 1974  
6 IN 1975  
24 IN 1976  
21 IN 1977

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Chlorocetaldehyde               | Isopropyl Glycidyl Ether               |
| Alpha-Chloroacetophenone        | Methyl Cellosolve                      |
| P-Nitroaniline                  | Methylal                               |
| Pival (Pivalyl-1,3-Indandione)  | Phenyl Glycidyl Ether                  |
| Acrolein                        | Tetrahydrofuran                        |
| Diphenyl (Biphenyl)             |                                        |
| Furfural                        | Butadiene                              |
| Terphenyls                      | *Dioxane                               |
|                                 | Heptane                                |
| Sec-Amyl Acetate                | Methylcyclohexane                      |
| Tert-Butyl Acetate              | Naphtha (Coaltar)                      |
| Sec-Butyl Acetate               |                                        |
| Butyl Acetate                   | Octane                                 |
| 2-Ethoxyethylacetate            | Pentane                                |
| Ethyl Acrylate                  | Petroleum Distillates (Naphtha)        |
| Ethyl Formate                   | Propylene Dichloride                   |
|                                 | Turpentine                             |
| Sec-Hexyl Acetate               |                                        |
| Isoamyl Acetate                 | Benzyl Chloride                        |
| Isobutyl Acetate                | Bromoform                              |
| Methyl Acetate                  | Chlorobromomethane                     |
| Methyl Acrylate                 | 1,2-Dichloroethylene                   |
| Methyl Cellosolve Acetate       | Diffuorodibromomethane                 |
| Methyl Methacrylate             |                                        |
| N-Propyl Acetate                | Ethyl Bromide                          |
|                                 | Hexachloronaphthalene                  |
| N-Amyl Acetate                  | Methyl Iodide                          |
| Sec-Butyl Alcohol               |                                        |
| Tert-Butyl Alcohol              | Acetylene Tetrabromide                 |
| Butyl Alcohol (N-Butyl Alcohol) | *Allyl Chloride                        |
| Cyclohexanol                    | Chlorobenzene                          |
| Diacetone Alcohol               | Chlorodiphenyl (54% Chloride)          |
| Ethyl Acetate                   | 1,1-Dichloroethane                     |
|                                 | Epichlorohydrin                        |
| Hydroquinone                    |                                        |
| Isoamyl Alcohol                 | 1,1,2,2-Tetrachloro-1,2-Difluoroethane |
| Isobutyl Alcohol                | 1,1,1,2-Tetrachloro-2,2-Difluoroethane |
| Isopropyl Acetate               | 1,1,2,2-Tetrachloroethane              |
| *Isopropyl Alcohol              | 1,1,2-Trichloro-1,2,2-Trifluoroethane  |
| *Methyl Alcohol                 | 1,2,3-Trichloropropane                 |
| Methyl Isobutyl Carbinol        | Trifluoromonobromomethane              |
| Propyl Alcohol                  |                                        |
|                                 | Arsine                                 |
| 2-Butoxy Ethanol                | *Carbon Tetrachloride                  |
| N-Butyl Glycidyl Ether          | Diazomethane                           |
| Cyclohexene                     | O-Dichlorobenzene                      |
| Dipropylene Glycol Methyl Ether | Diethylamine                           |
| Ethyl Ether                     | Dimethylamine                          |
| Glycidol                        |                                        |

\*Ethylene Dichloride  
\*Methyl Chloroform  
\*Tetrachloroethylene  
1,1,2-Trichloroethane

\*Acrylonitrile  
Aniline  
Ethylamine  
Ethylenediamine  
Morpholine  
Acetic Anhydride  
Acetonitrile  
Cresol, all isomers  
Dimethylaniline  
Hydrogen Bromide  
\*Hydrogen Fluoride  
\*Phenol  
Phenylhydrazine  
Pyridine  
\*Sulfuric Acid  
o-Toluidine  
Xylidine

1978-79 PROJECTIONS

ACRYLONITRILE 1978

LEAD (INORGANIC) 1978

BENZENE 1978

CHLORINATED COMPOUNDS

ALLYL CHLORIDE

CARBON TETRACHLORIDE

METHYL CHLORIDE

TETRA OR PERCHLOROETHYLENE

TRICHLOROETHYLENE

CARCINOGENIC GENERIC STANDARD 1979

STANDARDS COMPLETION PROJECT 1979

ESN (AND SIMILAR SURPRISES)

DIMETHYLAMINOPROPIONITRILE



INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION  
CHEMICALS AND PLASTICS

P. O. BOX 3370, BROWNSVILLE, TEXAS 78520

Messrs.:  
To (Name) B. F. Brown  
Company R. C. Glock  
Location E. O. Davis  
R. F. Green  
Staff (11)

Date April 23, 1978

Originating Dept.

Answering letter date

Subject Status OSHA Health Standards  
for Chemical Exposure

Copy to

*File OSHA Health*

Gentlemen:

Attached is an updated summary of OSHA standards activity,  
NIOSH criteria documents, draft technical standards and a 1978-79  
projection of standards to become effective in the near future. If  
information or copies of any listed documents are wanted, please  
contact me.

Very truly yours,

K. Gran Townsend

KGT:mfw  
Attachment