

## INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION  
CHEMICALS AND PLASTICS

P. O. BOX 3370, BROWNSVILLE, TEXAS 78520

|           |                                |                       |                          |
|-----------|--------------------------------|-----------------------|--------------------------|
| To (Name) | Operating Department Heads (4) | Date                  | June 23, 1975            |
| Company   | Ms. Rita Murphy                | Originating Dept.     |                          |
| Location  | K. G. Townsend/M. Gutierrez    | Answering letter date |                          |
|           | J. L. Garcia                   | Subject               | Proposed Toxic Hazardous |
|           | E. O. Davis                    |                       | Substances Legislation - |
|           | A. G. Stephens                 |                       | OSHA - NIOSH, EPA        |
| Copy to   | A. L. Barefoot                 |                       | Affecting Brownsville    |
|           | C. M. Partridge                |                       |                          |
|           | R. C. Glock                    |                       |                          |
|           | C. A. Keil                     |                       |                          |
|           | W. W. McManus                  |                       |                          |
|           | Shift Superintendents (2)      |                       |                          |
|           | S. J. Footer                   |                       |                          |

This document summarizes various government lists of chemicals that have been identified as hazardous substances or are scheduled for examination or regulations. Several have appeared as proposed regulatory materials in recent issues of the Federal Register.

A list of the top 50 chemicals by usage is included in the belief that some of these will be targeted for investigation.

Listed are those compounds which are used or produced at Brownsville. Although there has been some delay in proposal and formal enactment of regulations by the responsible agencies this should not be construed to indicate that regulations are not forthcoming.

Please give this document wide circulation and careful review. I will keep you informed of the proposed legislation as it appears.

Very truly yours,



L. T. Windel

LTW/gr

Attachments

CHEMICALS LISTED AS HAZARDOUS AIR POLLUTANTS WHICH AFFECT  
BROWNSVILLE

1. Asbestos
2. Mercury

CHEMICALS LISTED AS TOXIC WATER POLLUTANTS WHICH AFFECT  
BROWNSVILLE

1. None

CHEMICALS FOR WHICH STANDARDS HAVE BEEN PROMULGATED BY  
OSHA AND WHICH AFFECT BROWNSVILLE

1. Asbestos

CHEMICALS FOR WHICH CRITERIA DOCUMENTS HAVE BEEN PUBLISHED  
BY NIOSH AND WHICH AFFECT BROWNSVILLE

1. Ammonia
2. Carbon Monoxide
3. Sulfuric Acid
4. Toluene

EPA\* LIST OF CHEMICALS CONSIDERED HAZARDOUS WHEN SPILLED  
INTO WATER (BROWNSVILLE MATERIALS)

| <u>PRODUCT</u>              | <u>FOUND IN</u>      |                           |
|-----------------------------|----------------------|---------------------------|
|                             | <u>(P)RODUCTION,</u> | <u>(M)AINTENANCE</u>      |
| Acetaldehyde                | P                    |                           |
| Acetic Acid                 | P                    |                           |
| Acetic Anhydride            | P                    |                           |
| Ammonia                     | P                    |                           |
| Butyl Acetate               | P                    |                           |
| Butyric Acid                | P                    |                           |
| Chlorine                    | P                    |                           |
| Copper Acetate              | P, M                 | (Heat exchanger cleaning) |
| Formic Acid                 | P                    |                           |
| Ferrous Sulfate             |                      | (Tech Services - Note)    |
| Mercury                     | M                    |                           |
| Nickel Acetate              | M                    |                           |
| Phosphoric Acid             | P                    |                           |
| Propionic Acid              | P                    |                           |
| Sodium Phosphate, All forms | P                    |                           |
| Sulfuric Acid               | P                    |                           |
| Toluene                     | P                    |                           |

\*This advance notice of proposed rulemaking is issued under authority of Section 311 and 501 of the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et. seq.)

400 CHEMICALS FOR WHICH OSHA HAS ANNOUNCED INTENT TO  
PROMULGATE STANDARDS ( CHEMICALS FOUND AT BROWNSVILLE)

| <u>PRODUCT</u>             | <u>DATE<br/>EXPECTED</u> | <u>PRODUCTION, MAINTENANCE &amp; LAB</u> |
|----------------------------|--------------------------|------------------------------------------|
| Acetone                    | Aug. 74                  | P, L                                     |
| MEK                        | Proposal Published       | P, L                                     |
| Hydrogen Sulfide           | Aug. 74                  | P, M                                     |
| Butyl Acetate(s)           | Jan. 75                  | P, L                                     |
| Ethyl Formate              | Jan. 75                  | P, L                                     |
| Methyl Acetate             | Jan. 75                  | P, L                                     |
| Propyl Acetate             | Jan. 75                  | P, L                                     |
| Butanol                    | Feb. 75                  | P, L                                     |
| Isopropyl Acetate          | Feb. 75                  | P, L                                     |
| Isopropanol                | Feb. 75                  | L                                        |
| Methanol                   | Feb. 75                  | P, L                                     |
| Ketene                     | April 75                 | P                                        |
| Liquified Petroleum<br>Gas | April 75                 | P, L                                     |
| Refrigerants 12, 21, 114   | May 75                   | P, M                                     |
| Ethanolamine               | June 75                  | P, L                                     |
| Acetic Acid                | Aug. 75                  | P, L                                     |
| Acetic Anhydride           | Aug. 75                  | P, L                                     |
| Formic Acid                | Aug. 75                  | P, L                                     |
| Sulfuric Acid              | Aug. 75                  | P, L                                     |
| Copper Dusts               | Sept. 75                 | M                                        |
| Mercury                    | Oct. 75                  | M, L                                     |

400 CHEMICALS (Continued)

| <u>PRODUCT</u>               | <u>DATE<br/>EXPECTED</u> | <u>PRODUCTION, MAINTENANCE &amp; LAB</u> |
|------------------------------|--------------------------|------------------------------------------|
| Nickel and Salts             | Oct. 75                  | M, L                                     |
| Iodine                       | Nov. 75                  | L                                        |
| Carbon Black (Wacker)        | Dec. 75                  | P                                        |
| Carbon Dioxide               | Dec. 75                  | P                                        |
| Carbon Disulfide             | Dec. 75                  | L                                        |
| Silica including<br>Perlite  | Dec. 75                  | P, M                                     |
| Hydrogen Peroxide<br>90%     | Feb. 76                  | L                                        |
| Oil Mist, Mineral            | Feb. 76                  | P, M                                     |
| Methyl Formate               | Mar. 76                  | P, L                                     |
| Carbon Tetrachloride         | Mar. 76                  | L                                        |
| Silica, Crystalline          | Mar. 76                  | M, P                                     |
| Chlorine                     | April 76                 |                                          |
| Phosphoric Acid              | April 76                 | P                                        |
| Ammonia                      | May 76                   | P, L                                     |
| Carbon Monoxide              | May 76                   | P, L, M                                  |
| Copper Fume                  | May 76                   | M                                        |
| Toluene                      | May 76                   | P, M, L                                  |
| Iron Oxide Fume              | June 76                  | M                                        |
| Sodium Hydroxide             | July 76                  | P, M, L                                  |
| Stoddard Solvent<br>(Varsol) | July 76                  | M                                        |

CHEMICALS MENTIONED IN SENATE-HOUSE TESTIMONY RELATING TO  
THE TOXIC SUBSTANCES CONTROL ACT (BROWNSVILLE PRODUCTS)

|                          |                          |
|--------------------------|--------------------------|
| Asbestos                 | Mercury                  |
| Boiler Cleaning Products | Nickel                   |
| Chromium                 | Phosphates               |
| Carbonates               | Polyvinyl chloride       |
| Chemical Reagents        | Silica                   |
| Chlorinated Hydrocarbons | Caustic Soda             |
| Chlorine                 | Freon propellants        |
| Detergents               | Sodium Tripolyphosphates |
| Food Additives           |                          |

CHEMICALS LISTED BY EPA FOR EXAMINATION AS CANDIDATES FOR  
DESIGNATION AS TOXIC WATER POLLUTANTS (BROWNSVILLE PRODUCTS)

Chromium

Asbestos

Lead

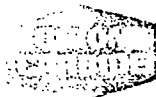
Nickel

\*TOP 50 PRODUCTS BASED ON 1973 PRODUCTION

(USED AT BROWNSVILLE)

1. Sulfuric Acid
2. Oxygen
3. Ammonia
5. Sodium Hydroxide
6. Chlorine
8. Sodium Carbonate
11. Phosphoric Acid
15. Urea
17. Toluene
23. Hydrochloric Acid
28. Ethylene Glycol
30. Carbon Dioxide
34. Acetic Acid
40. Acetone
41. Ethanol
45. Acetic Anhydride
49. Acetaldehyde

\* Regulations will most likely be promulgated on the "top 50" initially by the agencies.



INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION

P. O. BOX 3370, BROWNSVILLE, TEXAS 78520

COATINGS MATERIALS DIVISION

To (Name) R. C. McDermott  
Company J. L. Wyatt  
Location

Date November 2, 1982

Originating Dept.

Answering letter date

Subject List of Teratogens and Carcinogens  
Found in Brownsville Plant

Copy to M. Gutierrez  
D. R. Haley

One of the deficiency items listed in our recent Safety and Health Audit was the lack of an up-to-date list of teratogens in the nurse's office.

To eliminate this deficiency the attached lists are being distributed to you. One list contains the names of chemicals found in the Brownsville plant that appear in the UCC Internal Exposure Standard List, also included. The first list indicates where the chemical is found in the plant, the amount of material at each location and the reason for being listed, i.e., toxicity, carcinogen or teratogen. The second list is, as aforementioned, the UCC Internal Exposure Standard List which contains various other information about the chemicals found in the Corporation.

After review of these lists I recommend that this information be further distributed within the plant to comply with the Divisional requirement of informing employees of identified occupational health risks.

K. Gran Townsend (2)

KGT:mfw  
Attachment