

PROCESS DESCRIPTION FOR THE
MANUFACTURE OF
PYRANOLS AND INERTENS
In Dept. 246

PLAINTIFF'S
EXHIBIT

1201

NEV 024963

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MONSANTO COMPANY
ORGANIC CHEMICAL DIVISION
W. G. KRUMMRICH PLANT
MONSANTO, ILLINOIS

STANDARD MANUFACTURING PROCESS
FOR
PYRANOLS AND INERTEENS
DEPARTMENT A-246

Supersedes: Process Description for the Manufacture
of Pyranols and Inerteens in Department
A-246, Dated August 4, 1964 and all
amendments

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APPENDIX JSAFETY AND TOXICITY DATASAFETY EQUIPMENT*

The following is a list of safety equipment (personal and departmental) required in Department A-246.

1. FIRE EXTINGUISHERS

- a. Dry Chemical (3)
 - Southwest corner Bldg. CR-main floor
 - West wall at top of stairs of second floor
- b. Carbon Dioxide Snow
 - Southwest corner of Bldg. CR, ground leve.

2. CHLORINE GAS MASKS (4)

- Southwest corner, second floor
- Control room, second floor
- East side, outside control room
- Wall, southwest corner of sprinkler house, main floor

3. SCOTT AIR MASKS

*The safety equipment for Dept. A-246 is the same as that of Dept. 246.

4. SAFETY SHOWERS (2)

- Southeast corner of Bldg. CR, ground level
- Southeast corner of Bldg. CR, second floor

5. DAVIS VAPOTESTER

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6. EYE BATHS

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7. SPRINKLER SYSTEMSAFETY PRECAUTIONS

The following are safety precautions followed in the operation of Department A-246.

1. SAFETY EQUIPMENT OF EMPLOYEE

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Each employee has the following safety equipment:

- (1) Hard Hat
 - (2) Safety glasses
 - (3) Goggles
 - (4) Rubber and canvas gloves
 - (5) Rubber overshoes
- Special equipment may be issued as necessary for performing a particular job in a safe manner.

2. SAMPLING

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Precaution must be taken to avoid skin contact of samples and inhalation of vapors.

SAFETY AND TOXICITY DATASAFETY PRECAUTIONS (Cont'd.)3. FIRES

Department A-246 does not manufacture products which are fire hazards under normal conditions. However, automatic fire extinguishers and sprinklers have been installed to combat any fires that may occur.

4. TOXICITY

Toxicity does not present a serious problem. However, a complete daily change of clean clothes is supplied to each person and time is allotted at the end of each shift to take a shower. Instructions are also issued to avoid actual skin contact with Pyranols and Inerteens as much as possible and to wash hands and face before eating. Phenoxypropene Oxide (Glycidyl Phenyl Ether) is a strong skin irritant.

5. MISCELLANEOUS

There are many accidents that can occur which may be classified as health and safety hazards. These accidents may result from such things as broken steam lines, acid leaks, steam leaks, etc.

6. SAFETY RECORD

The last lost-time accident in Departments 246, A-246, B-246 and C-246 was January 28, 1948. The frequency of minor injuries is low, around one per month for all four departments combined.

TOXICITY DATAAROCLORS AND PYRANOLS

TOXICITY: This material is a liquid under normal conditions and has a medium toxicity range for liquid ingestion and a high toxicity for vapor 1 mg./cubic meter.

FIRE HAZARD: There is no fire hazard under normal conditions.

OTHER HAZARDS: This material can cause dermatitis, systemic poisoning from the fumes, and yellow atrophy of the liver. There are skin, mucous membranes and eye hazards encountered in handling this material.

TREATMENT AND ANTIDOTES: Call a physician and remove patient from fumes.

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APPENDIX J
SAFETY AND TOXICITY DATA

ATTAPULGUS EARTH

TOXICITY: This earth is not toxic in general.

FIRE HAZARD: There is no fire hazard.

OTHER HAZARDS: Attapulgius earth can create a dust hazard similar to other dusts that contain silica.

TREATMENT AND ANTIDOTES: Consult a physician.

STORAGE AND HANDLING: Attapulgius earth presents no special storage problem and should be handled by persons wearing an approved respirator.

SHIPPING: There are no special restrictions on shipping.

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