PLAINTIFF'S EXHIBIT

UC-4816

Safe Practices Manual

Maintenance Department

July 1, 1960



UNION CARBIDE
CHEMICALS COMPANY
Texas City, Texas

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TABLE OF CONTENTS

	Page No.
INTRODUCTION	1
Plant Safety Rules	3
Safe Practices for All Maintenance Employees	7
Safe Practices for Rigging—All Maintenance Employees	11
SAFE PRACTICES FOR HANDLING:	
Welding Machines, Air Compressors and Cylinders by Maintenance Personnel	20
SAFE PRACTICES FOR:	
Air-Conditioning and Refrigeration Mechanics	22
Auto Mechanics	24
Boilermakers, Ironworkers, Riggers and Crane Operators	27
Carpenters	36
Dempster Dumpster Trucks, Operating of	39
Dock Areas	40
Electrical Workers	42
Equipment Operators	46
Fire Protection Division	48
Incinerator, Operating of	49
Instrument Department	50
Insulation Department	52
Laborers	53
Lead Burners	55
Lift, Ross Fork	57
Machinists	59
Motor Vehicles, All Operators of	62
Oilers	65
Painters	66
Pipefitters	68
Salvage Department	72
Sheet Metal Workers	73
Structural Steel Shop	75
Test and Inspection Division	78
Tool Rooms	80
Welders	81

THINK! BEFORE YOU ACT!

PLANT SAFETY RULES

POLICY:

Safety rules shall be established for and observed by all Plant personnel.

RULES:

1. Matches or cigarette lighters are not allowed in the plant.
2. Smoking in the plant is prohibited. Violators are subject to immediate discharge.
3. Report all injuries to your foreman and the Dispensary immediately.
4. Proper goggles must be worn when working on equipment or pipes containing chemicals; when grinding, welding, cutting, chipping steel or concrete; when working in dusty places; or any other job when specified by the supervisor.
5. Do not wear loose clothing around moving machinery. For your protection — keep your shirt on. Wash chemical spills or splashes from body and eyes immediately, using the safety shower or eyewash fountains and then report to the Dispensary. After using safety shower, remove chemically saturated clothing.
6. "Horse play" on the job will not be tolerated.
7. Observe all signs and follow their direction.
8. Safety guards, if removed for repairs or adjustment, must be replaced before machinery is started.

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ACL Doc 19331 · Page 2 of 5 asbestosclaims.law/library/19331/2

9. All electrical repairs must be made by electricians. Electrical control rooms are not to be entered except by authorized personnel.

10. Do not use any unsafe tools. Ground all portable electric tools before using.

11. Do not get on or off moving vehicles at any time. Riding on running boards or having any part of body extending outside truck bed or cab is strictly forbidden. All riders must be seated.

12. Never use a defective ladder. Ladders should be securely fastened or held by someone on the ground and both hands should be used when climbing. Face the ladder when ascending or descending. Materials and tools shall be raised and lowered by means of handline.

13. Use caution in all material handling. Always use proper lifting methods. Avoid strains by keeping the back as nearly upright as possible.

14. Do not direct compressed air at anyone or use it to clean clothing except at approved low-pressure stations. When cleaning parts or blowing liquid from air hose, direct force away from all parts of body.

15. Fire fighting equipment should be used for fire fighting only. Place no obstruction within fifteen feet of alarm boxes, fire plugs and hose houses. In case of fire, sound nearest alarm or dial 333.

16. The plant speed limit of 15 MPH must be observed at all times.

17. Gas masks are provided at each unit for protection against fumes and vapors encountered in the unit. They should never be used to enter poorly ventilated tanks, vessels or rooms.

18. When loading or cleaning chemical storage tanks, tank cars or barges, the following precautions shall be used:
    a. Avoid breathing fumes after removal of manhole covers.
    b. Never enter a tank, tank car or barge without a safety belt and unless someone is outside to assist in case of emergency.
    c. A fresh air mask or airline respirator should be available in case of emergency and should always be used to enter poorly ventilated equipment.
    d. Use only non-sparking (brass, bronze, copper, plastic or wood) tools.
    e. Use only approved flashlights, electric lanterns or extension cords.

19. Do not use "plant air" for respiratory protective equipment.

20. Form CT-1441 D "Hazardous Work Permit" is required before any operation which produces flame, spark, or hot surfaces is started within the manufacturing area. The form "Work Permit for Protection Against Carbon Monoxide Exposure" must be secured before work is begun on equipment or in pits, trenches, or basements where Carbon Monoxide is processed.

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21. Before starting work on equipment or machinery, the following procedure should be followed:
    a. Lock out switches on all power-driven machinery.
    b. Attach tags on all valves and switches.
    c. Post necessary warning signs.
22. Employees must wear or use the protective equipment and follow the safe practices or procedures given in written job instructions. All safety requirements specified and published by the department or craft must be observed.
23. If you are not sure of instructions, ask your supervisor before proceeding.

SAFE PRACTICES FOR ALL MAINTENANCE EMPLOYEES

1. All employees must be familiar with and observe the Plant Safety Rules.
2. Think ahead. Spend at least one minute at the start of each day, and at the start of each job think of safety. Think of the hazards involved, then eliminate or avoid them. Continue to think while you work, then ask yourself, is it safe, am I working in a safe manner?
3. In the parts of the plant that have been designated as noise areas, ear plugs should be used. These may be obtained from the Plant Medical Division.
4. Know the location of Safety Showers and Solution Cabinets in the vicinity of your job.
5. Where a Hazardous Work Permit (Form CT-1441 D) or a "Work Permit for Protection against Carbon Monoxide" is required, be sure that you READ, understand and comply with the conditions contained therein. A permit in itself does not make a job safe. Only do the work permit authorizes, any other work or job requires a separate permit.
6. Side shield safety spectacles are the minimum type eye protection furnished all employees.
7. When grating is removed, be sure to provide adequate barricades and warning signs. If necessary, provide temporary flooring. Replace permanent grating as soon as work is com-

A05502

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ACL Doc 19331 · Page 4 of 5 asbestosclaims.law/library/19331/4

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SAFE PRACTICES FOR PAINT DEPARTMENT

1. Stages must be lowered to the ground and rope falls must be placed in metal drums and covered when work is finished for the day.
2. Sandblasters must equip themselves with airlines equipment or respirators for sandblasting.
3. Use nonsparking tools to loosen rust in ALL areas where Hazardous Work Permit is required.
4. Test, inspect ropes, hooks, and blocks before putting into use.
5. Your eyes are most valuable to you; wear goggles when chipping, brushing or painting.
6. Guard against poisoning from paint ingredients. Read label on can; check with your supervisor.
7. Beware of live wires. Don't paint on switchboards or near electrical equipment until the proper Hazardous Work Permit has been obtained and safety precautions abided by.
8. Do not paint hot surfaces where the temnarature exceeds 175 degrees F., except with an approved type of paint and upon instructions from your supervisor.

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9. Spray painters must equip themselves with approved type respiratory equipment when spray painting.
10. Never leave oil or paint-soaked rags in overall pockets or wadded up. Place all such rags in covered metal cans.
11. Air horns must be used in addition to approved respirators when painting inside vessels or other confined space.
12. When using pressure pots always double check to make sure the lug bolts are in perfect shape and properly tightened.
13. Before using spray equipment, inspect hose and connections to be sure they are all in good shape.
14. Use care not to strike someone when carrying ladders, especially when you are carrying it around a corner or approaching a corner.

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AC5503

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