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Standard Oil Co.

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INDUSTRIAL HYGIENE FOUNDATION OF AMERICA, INC.

4400 FIFTH AVENUE

PITTSBURGH, PA.



INDUSTRIAL HYGIENE SURVEY

of the

Baton Rouge Refinery

LOUISIANA DIVISION

ESSO STANDARD OIL COMPANY

Baton Rouge, La.

February - April, 1949

Table II

EXPOSURES TO HAZARDOUS MATERIALS JUDGED TO BE WITHIN SAFE LIMITS

Operation or Location	Substances or Conditions	Employee Group Affected
Butyl Rubber	Methyl chloride in vicinity of reactors and in finishing building. Safe usage by reason of process control, ventilation, and daily air analysis.	Process and mechanical workers in these areas.
Butyl Rubber Finishing Building	Talc dust at packaging.	Packers
Butyl Rubber Reactors	Aluminum chloride exposure is controlled by wearing respirators.	Process workers in the reactor area.
Alcohol Plant	Inhalation of acetaldehyde is at present prevented by use of respirators.	A few process workers in alcohol denaturing.
Anti-freeze production in Alcohol Area.	Methyl alcohol exposures are controlled by informed personnel and natural ventilation.	Process workers and pipe-fitters assigned to the area.
Paracril Plant	Acrylonitrile--in control rooms and in finishing building beyond coagulation pots.	Machinists, process workers, except attendants at latex and coagulation pots.
Light Oil Treating Plant	Lead--mist at ground level from aeration in doctor regeneration.	Process workers at ground level.
Shell Still Batteries No. 16 and No. 17.	Hydrogen sulfide exposures slight in receiving houses.	Still operators and helpers at the units.
No. 2 D. & S., Hydrogen Sulfide Recovery Unit	Leakage of hydrogen sulfide is effectively prevented in the process equipment.	
Tetra Ethyl Lead Blending Plant	Tetra ethyl lead--satisfactory control measures are practiced.	Blending plant employees, machinists, pipefitters, and laborers.
	Gasoline anti-oxidants--skin contact is unlikely in present mode of handling.	

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