

# POLLUTION CONTROL IN CERAMIC INDUS

6th  
chapter

## Hazards in ceramic Ind.

| <u>Hazard</u>   | <u>effect</u>                    | <u>Control</u>                                      |
|---|----------------------------------|---|
| ① <u>Mech. Hazard</u><br>Ergonomic hazard                   | - Sprains<br>- muscular damage   | - use<br>mtl. handling devices                      |
| ② <u>Phy hazard</u><br>slip, fall<br>cut, struck            | - Accident                       | - safe work procedure                               |
| ③ <u>Noise hazard</u><br>m/c, vibration<br>motion, conveyor | - Occupational<br>hearing loss   | - use of<br>hearing protectors                      |
| ④ <u>Heat radiation hazard</u><br>Near furnace<br>or kiln   | - Thermal<br>burn<br>Heat stress | - Insulation<br>Heat protection<br>clothing<br>A.C. |
| ⑤ <u>Dust hazard</u><br>RIM                                 | - Lung disease                   | - proper<br>mtl. handling                           |

⑥ Hazard

effect

Control

⑥ Heavy metal  
or fume hazard

- RIM  
processing  
& mts.

- Good work  
practice  
personal  
hygiene  
Respiratory  
protection

chem. hazard

⑦ Sources  
Binders &  
Additives

- Irritation  
at eye  
& skin

- Safe  
handling  
practice  
& PPE

Fuel &  
Gas hazard  
Source

⑧  
skin

- Fire &  
explosion  
& exposure  
to CO

- proper  
design &  
inspection  
of combustion  
sys.