

Foreign Workers

Guidelines of Occupational Safety and Health



英文版 English version

Foreign Workers

Guidelines of Occupational Safety and Health





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Institute of Occupational Safety and Health, Council of Labor Affairs, Executive Yuan



Guidelines of Occupational Safety and Health for Foreign Workers

- Statistics of occupational accidents insurance payments
- Causes and strategies of occupational accidents
- The rights and obligations of foreign workers
- Common knowledge of occupational hazards
- Prevention of occupational accidents





Occupational Injury Insurance Benefit Payments (1/2)

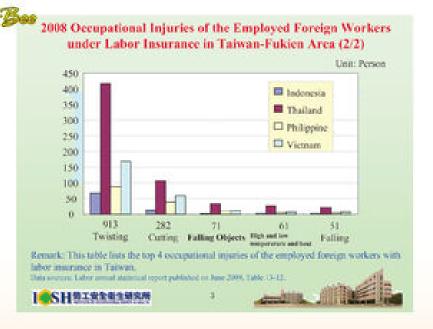
- 2008 statistics from the Bureau of Labor Insurance, occupational injuries of the employed foreign workers under labor insurance in Taiwan-Fukien area show;
- Foreign workers in Taiwan, primarily from Indonesia (127,764 persons, the ratio of Indonesians to total foreign workers is 35%)
- Occupational injuries of the employed foreign workers, primarily from Thailand (640 persons, the ratio of Thailand to total foreign workers is 41%)
 Data sources: Labor annual statistical report published on June 2009, Table 13-3 and 13-12.







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The most frequent Hazard Factors (2/3)

- Chemical hazards: Such as gases, vapors, smudges, droplets, fine dust etc... which contain dangerous substances
- Physical Hazards;
 Cutting, rwisting, amputation, rolling, collision, electric shock, induced current, high temperature and heat, fine dust, noise and mechanical device operation, falling, confined space, etc...
- Ergonomics Hazards:
 If workers move large or heavy objects they often use incorrect posture. While lifting objects, handling materials or doing physically demanding work, including lifting, pashing, and pulling, over a long period of time, disorders such as hand or back injuries, sprains and strains, shooting pain down the legs and buttocks, lower back pain and other disorders of the back may develop over time.





- Eliminating the hazardous factors produced by buildings, work measures, production materials, equipment
- Block and cover the potentially hazardous areas
- Following "Work Safety Regulations"
- · Following the standard operation procedures
- Using individual protective gear









Labor Safety and Health Law- Labors' Rights (1/2)

Article 25: Laborers' representative is authorized to participate in making labor safety and health regulations.

> (The policy making of the Labor Safety and Health Law needed in consultation with foreign labor representatives.)

Article 30: If laborer finds the workplaces violate the safety and health laws and related regulations, laborer must report to employer, competent authority or inspection institute.



Labor Safety and Health Law- Laborers' Obligations (2/2)

- Article 12: Workers must take medical examinations.
- Article 23: Workers must accept guidelines and training programs.
- Article 25: Workers must observe and obey the safety and health regulations.
 (The laborers shall effectively obey the rules mentioned in the preceding paragraph.)
- Article 35: A penalty of up to NT\$ 3,000 for violating the rules and regulations cited in these provisions.





Common knowledge of occupational hazard (1/9)

- First step is to promote the recognition of dangerous substances.
- Common knowledge standards of occupational hazard must contain two essential parts;

1. Symbols

Classification based on the hazardous materials' characteristics

2. Contents

- ✓ Name
- √ Major hazardous substances.
- ✓ Hazard warning information
- √ Hazard prevention measures
- Manufacturer's or supplier's name, address and telephone numbers







 Explosive Material



1.6



- Flammable gas
- · Flammable acrosols
- Flammable liquids
- Flammable solids
- · Pyrophoric liquids
- · Pyrophoric solids
- · Self-heating substances
- Substances which, in contact wi water, emit flammable gases













Classifications of Chemical materials -Health Hazards (6/9)

- · Respiratory sensitization
- · Germ cell mutagenicity
- · Carcinogenicity
- · Reproductive toxicity
- Specific target organ systemic toxicity- Repeated exposure
- Aspiration hazard
- Specific target organ systemic toxicity- Single exposure









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Symbols of Hazardous Substance (9/9)

苯 (Benzene)









可能造成遺傳納陷、致癌 偿疑對生育力、助兒造成傷害

長期暴露會損害神經系統 對水生物有害

各会或这人呼吸道可能致命

危害防範措施:

医容量医

衣物经污染鹿点即联除

勿倒入絕水溝

经餐不適請就醫並出示此資料

迎来高高粉此物質一須維粹級指示





"Machine Injury" Prevention (1/6)

- . "Rolling-in Point"- this particular danger which occurs with the roller.
- · Objects or body may be caught in the rollers and crushed.
- · Workers cannot wear gloves while operating roller machine.









"Machine Injury" Prevention (2/6)



Pay attention to prevent loose hair, scarves, gloves and ID tags from getting caught in machinery. Workers should wear protective suits.

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"Machine Injury" Prevention (3/6)



When operating roller machines, workers need to tighten clothes and tie back or cover hair by wearing a hat or head covering in order to prevent operator from machine injury.

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"Machine Injury" Prevention (4/6)





- · Transmissions' pulley belts must have a shield.
- The side without cover must face the wall in order to prevent accidents.
- · The installed cover must not be removed.



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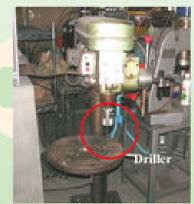
"Machine Injury" Prevention (5/6)







"Machine Injury" Prevention (6/6)



Workers cannot wear gloves in order to avoid getting fingers caught in drilling machine while operating it.

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"Cutting Injury" Prevention (1/2)





When using a knife for long periods of time, workers must wear cutting-resistant gloves to prevent cuts.

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"Falling Objects" Prevention (1/2)

- Equipment should have a safety snap hook in order to prevent objects from sliding off.
- · Fixed and steady.















Personnel should wear aluminum protective suits, shoes, visor, gaiters and masks while working in high temperature work places.

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"High Temperature" Accident Prevention (2/3)





Pre-heated mixers

When changing plastic materials or cleaning heating cylinder, the operators need to wear protective masks and heat-resistant gloves in order to prevent burns from hot materials that may shoot out of the nozzle.

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"High Temperature" Accident Prevention (3/3)





When taking products from high-temperature machines, workers must wear long sleeves and heat-resistant gloves to prevent burns.

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Preventing Injury from Falling Object (1/6)





× Wrong

√ Right

Exits more than 2 meters high should have protective railings, covers or nets installed for safety.





Preventing Injury from Falling Object (2/6)





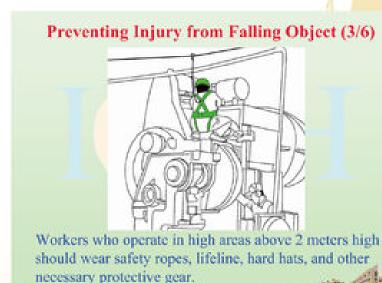
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N Right

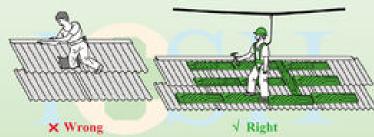
Loading / unloading areas more than 1.5 meters high should have ramps installed for safety.

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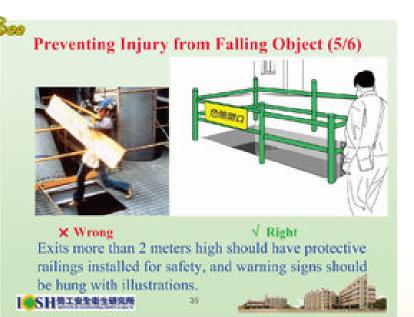


Workers who operate on the roof should install life lines and floor- boards more than 30 centimeters wide and wear safety ropes and hard hats to prevent injury.





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To avoid accidents while walking on aisles or walkways, maintain a clear path without obstruction. Do not stack or pile any articles or materials in aisles and walkways to avoid colliding or tripping.

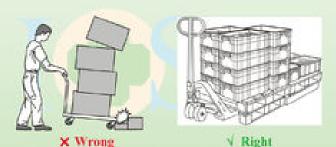
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"Collapsed Objects" Prevention (1/4)



Pallet trucks carrying goods cannot exceed the load bearing limit and attention should be paid to cleanliness and order on the ground.











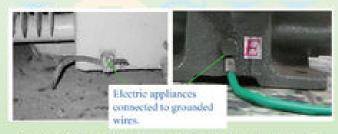
"Electric Shock" Prevention (1/5)

- Install Circuit Breaker
- Install grounded wires
- Be sure to turn off the power supply while repairing machinery
- Use insulated gloves





"Electric Shock" Prevention (2/5)



Protective measures- electric appliances must be connected to the ground in order to channel the excess current through grounded wires.

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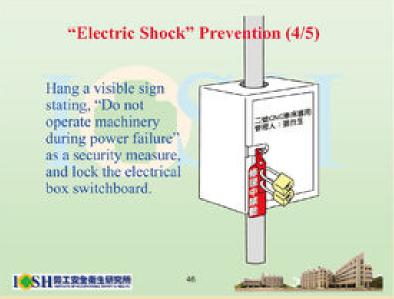


"Electric Shock" Prevention (3/5)



An AC welding machine with a built-in electric shock prevention device, must have insulated covers around contact points and grounded wires.









"Electric Shock" Prevention (5/5)





Broken, burned and loose plugs or sockets cannot be used. Avoid using electrical appliances simultaneously in the same socket, because it is easy to overload the current-carrying capacity.

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Mechanical Movement (Pressing, Cutoff, Bending)- Accident Prevention (1/3)

A punch press is a type of machine press used for forming and cutting material, "Work-Point" is where the material goes through and accidents frequently occur.

- Emergency Button
- Linkage Switch
- Protective Cover

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Mechanical Movement (Pressing, Cutoff, Bending)- Accident Prevention (2/3)





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When operating a punch press, workers must properly maintenance the emergency button.

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Mechanical Movement (Pressing, Cutoff, Bending)- Accident Prevention (3/3)





Hydraulic Plane Cutting Machine.

When operating the cutting machine, keep hands from cutting area for safety.

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