

JOB ROLE – HAND EMBROIDERER

Sector – Apparel, Made-Ups and Home Furnishing
(Qualification Pack Code: AMH/Q 1001)



PSS Central Institute of Vocational Education Shyamla
Hills, Bhopal – 462 013, Madhya Pradesh, India

UNIT 5: SAFETY, MAINTENANCE AND ORGANISATIONAL HAZARDS

Session 1: Organisational Hazards and Safety Measures

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Session Objectives

The students will be able to:

- Practice safety measures and precautions against using tools and machines while doing embroidery
- Follow policy measures to reduce the illness and diseases

Introduction

While handling tools and machines, employees should follow safety instructions. Before using any tool or machine, the embroiderer should be trained in safe working practices.

Safety Measures and Precautions

Before using any tools and machines, the embroiderer should be trained in safe working practices. Their training should cover the following:

**against
scissors**

**against
needles**

**while using
spray guns**

while ironing

**while storing
chemicals**

Preventing Accidents with Scissors

- These occur when scissors slip while working or are not stored properly
- Avoid talking while working with scissors
- Don't carry scissors in pockets while moving here and there, going to washrooms

Preventing Accidents with Scissors

- Store scissors in closed boxes or racks when not in use
- Use antiskid mats and wear proper footwear to avoid falling and getting hurt from scissors

Preventing Accidents with Needles

- Don't hold needles in teeth, behind ears or in pockets while working
- Wear thimble to avoid needle pricks
- Store needles and pins properly in closed boxes when not in use
- Do not leave needles in open such as on work table, sewing machine

Spray Guns

- These are used for stain-removal from fabrics
- These guns use chemicals and strong cleaning fluids
- If inhaled it can cause dizziness, headache, dryness of the skin

Preventing Accidents with Spray Guns

- Train the workers in the use of spray gun
- Spray the cleaning fluid onto a rag and then use the rag on the garment
- Use nose or face mask

Safety Measures while Ironing

- Be very cautious and mindful while working with a hot iron
- Check the cord and the plug regularly
- Wear footwear made of insulated material while ironing
- Don't work with wet hands or on a wet floor

Safety Measures while Ironing

- Place the iron on a heat-resistant stand always
- Select appropriate temperature setting as per the fabric
- Always switch-off and unplug the iron when not in use

Safe Storage of Chemicals

- All chemicals should be stored properly in well labeled containers
- Training of workers for safe handling, mixing and proportion of chemicals
- Provision of proper ventilation and protective tools such as goggles, gloves etc. for working with chemicals

Provision of Adequate Lighting

- Adequate lighting area at work tables and machines would help in avoiding eyestrain

Prevention of Ergonomic Injuries

- Working for long hours, in the same position should be avoided
- Provision of clean, well lit and well ventilated workplace
- Use of ear plugs to avoid loud noise
- Work area should have a proper working height and sitting arrangement

Commonly Associated Problems and Threats with Embroidery Units

- wage discrimination between males and females
- long working hours, no paid leaves
- lack of recreational facilities, health facilities and daycare for children of female workers

Commonly Associated Problems and Threats with Embroidery Units

- Chest infections
- Low light environment, shortage of protective eye glasses leading to eye problems
- Prolonged sitting and repetitive strain injury

Commonly Associated Problems and Threats with Embroidery Units

- Lack of positive and hygienic working atmosphere
- Harassment- sexual, mental
- Lack of washrooms and rest areas
- No provision of clean drinking water, refreshment

Safety Signage or Symbol

A signage or symbol is a picture, written word, sound or mark representing a message

There are two types of symbols:

- safety symbols
- navigation symbols

➤ Symbol for “explosives or an explosion hazard”



➤ Sign to prohibit “flames and smoking”



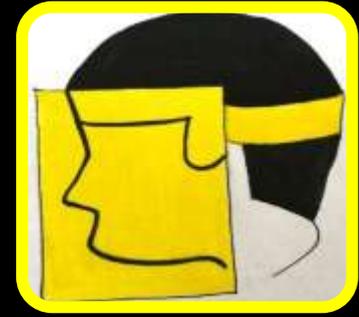
➤ Sign indicates “flammable gas”



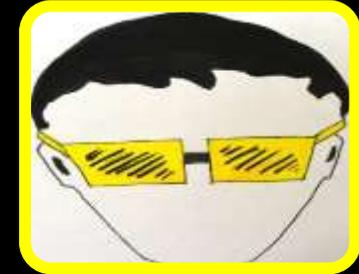
➤ Hazard symbol for “nonflammable gas”



➤ Sign for “protective eyewear”



➤ Sign for “eye protection required”



➤ Symbol for “gloves required”



➤ Sign for “protective footwear”



➤ Sign for “protective clothing”



➤ Sign for “ear protection required”



➤ Sign for “fire extinguisher”



➤ Symbol for “first aid”



➤ hazard symbol for “toxins”



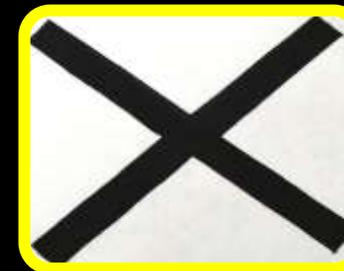
➤ hazard symbol for “corrosive substance”



➤ Symbol for “fire exit”



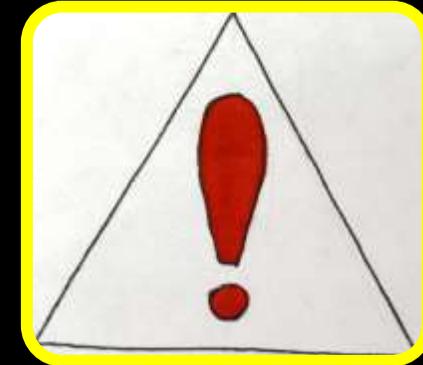
➤ hazard symbol for “harmful or irritant substances”



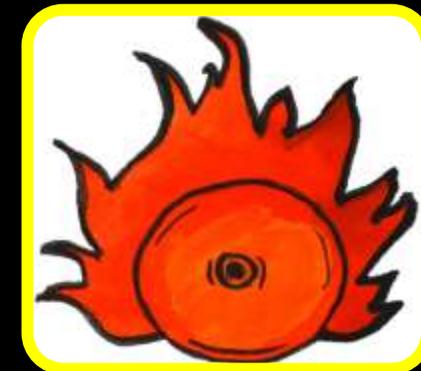
➤ hazard symbol for “flammable”



➤ “warning” sign



➤ Sign for “fire alarm”



Policy Measures

to reduce work-related illness and diseases:

- Working in shifts (two-shift system)
- Proper implementation of labour laws such as health insurance, leaves etc.
- Counseling for building awareness about occupational hazards and its prevention
- Provision of medical camps, dispensary, doctor etc. in the premises

Summary

In this session, you have learnt about the safety measures and precautions at workplace, signs and symbols for safety and policy measures for ensuring safety .

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