

Training for vendors follow-up

1. Select the wrong explanation about Micron safety policy.

- ① Micron is committed to maintaining a safe and healthful workplace
- ② Micron's goal is to prevent occupational injuries and property losses and to comply with all applicable safety laws and regulations.
- ③ Minimum safety expectations are provided to only Micron employees.

【 comment 】

Micron is committed to maintaining a safe and healthful workplace. Our goal is to prevent occupational injuries and property losses and to comply with all applicable safety laws and regulations. Consistent with Micron's commitment to efficiency and innovation, Micron is also committed to continuous improvement and has instituted systems to detect and prevent potential work-related accidents and injuries.

Micron considers the safety of people conducting work at our sites to be of primary importance. Minimum safety expectations for all team members are provided in the Team Member Handbook, department specifications or other applicable requirements and individual training. Minimum safety expectations are also provided to independent contractors.

2. Select the best explanation about compliance.

- ① Wear appropriate PPE for chemical handling operation.
- ② Unnecessary to wear ear plugs for quick operation in noise producing area.
- ③ To be able to make healthy and safety work place by complying appropriate regulations.

【 comment 】

Compliance is the first priority. | 5/5 JP | ke sure you understand the rule and comply with them. Before you start operation, always check appropriate PPE and other rules, which is the basic manner.

3. Select the best explanation about Red /Blue flag.

- ① Red flag is used for energy isolation of bulb and power switch.
- ② Remove unknown red flags from the power switch after operation is done.
- ③ Operate without red flag but turn the switch off.

【 comment 】

Red flag is used for energy isolation. Please always use red flag if it needs energy isolation. Lack of using it could cause serious accidents. It gives you and us a huge loss. Please contact with host or area safety coordinator for how to use red flag. You mustn't touch any flags beside you are handling.

4. Select the best explanation about electric.

- ① Use extension cord that maximum load is 1500W for heat gun (1300w) and ultrasonic washer(300W) , thermostatic chamber(500W) in the same time.

- ② Outlet for PC was loose, but it is OK to use.
- ③ Many loads on one electrical outlet is banned at Micron Japan.

【 comment 】

Electricity is invisible, but it could cause serious injuries or accidents. Below are basic rules about electricity in Micron Japan.

- ① Confirm contact pressure before inserting a plug in into a socket(it must have contact pressure)
- ② Insert a plug properly
- ③ Use appropriate capacitance -Typically 1500W is maximum load
- ④ Don't bare live part
- ⑤ Don't use depleted cord or insulation damaged code
- ⑥ Don't use many loads on one electrical outlet
- ⑦ Wiring work must be done by eligible
- ⑧ Check power voltage with tester or detector before electric work

5. Select the wrong explanation about MSDS.

- ① MSDS include chemical's environmental and health impact, practice of leakage and fire, regulations, chemical / physical characterization.
- ② MSDS is issued by manufacturing.
- ③ Unnecessary to wear PPE if it bothers during the operation even MSDS require.

【 comment 】

MSDS has information of chemical environmental and health impact, practice of leakage and fire, regulations, chemical / physical characterization. You must read MSDS before you handle the chemical/gas and comply with it.

6. Select the best explanation about physical exposure control.

- ① Noise and laser should be control.
- ② Operate in noise producing area without ear plugs.
- ③ PPE is unnecessary for laser producing area.

【 comment 】

Noise, laser could be a harmful source. You must wear ear plugs in noise producing area and appropriate PPE, goggles in laser producing area.

7. Select the best explanation about safety labels.

- ① Make interlock unable during the operation when it bothers.
- ② Safety labels are to prevent any accidents.
- ③ Emergency exit light with white back ground shows that there is the door to safety place.

【 comment 】

Safety labels are to prevent accidents. Please make sure meaning of each safety labels and be aware of it. Emergency exit light with white back ground leads you to the door, green back ground show you there is door. Don't cancel the interlock of the

equipment.

8. Select the best response for chemical exposure.

- ① Go to the health clinic immediately if chemical expose to the skin.
- ② Wash immediately with clean water for more than 15 minutes if chemical expose to the skin and call #9000.
- ③ Call an ambulance immediately if chemical expose to the skin.

【 comment 】

First you must wash with clean water if your skin expose to the chemical, then call #9000., or you can ask somebody to call for you. You must confirm the location of safety shower before you handle chemical/gas. Please remember washing is the first priority for skin exposure !

9. Select the unnecessary PPE to enter Plenum in Micron Japan.

- ① Long sleeve uniform
- ② Safety shoes or B shoes
- ③ Helmet
- ④ gloves

【 comment 】

You must wear long sleeve uniform, safety shoes or B shoes, helmet for entering plenum in Micron Japan.

10. Select the wrong explanation about fall protection.

- ① Operation perform in height over 2 meters needs fall protection.
- ② It is necessary to wear appropriate PPE (helmet/ safety belt) and prepare a lookout and the sigh of "Under height operation" for operating in height over 2 meters.
- ③ It is unnecessary to wear safety belt in over 2 meters if the operation is safe.

【 comment 】

You must wear helmet and safety belt and a lookout and the sigh of "Under height operation" for operating at height (over 2 meters).

11. Select the unsafe behavior that doesn't issue the red card based on Micron Japan

Behavior Observation system.

- ① Working above a person
- ② Working on the top panel of ladder
- ③ Height operation(over 2 meters) without safety belt
- ④ 5S failure

【 comment 】

All above (①—④) are unsafe behaviors which will be pointed out from safety patrol. However items ①—③ are particularly could cause serious accidents. If we find those unsafe behaviors, we will issue the "red card" to your company and contact with your head manager to take certain measures.

12. Select the best explanation about emergency evacuation.

- ① Evacuate to A/B parking lot in case of fire escape announcement.
- ② Evacuate to A/B parking lot in case of chemical/ gas leakage escape announcement.
- ③ Don't evacuate until Micron Japan employees tell you.

【 comment 】

In case of fire evacuation broadcasting, please evacuate to the A/B Parking lot.
Please contact with your host or safety coordinator for details.

13. Select the wrong explanation about Micron Japan environmental policy.

- ① Don't waste sewage, waste fluid into rain water ditch.
- ② Waste packing material, ended material into industrial waste incinerator in Micron Japan.
- ③ Segregate and dispose empty can for dinks in appropriate place.

【 comment 】

There are several environmental rules in Micron Japan. You must waste industrial waste in appropriate place. However please take packing material, ended material back to your company.

14. Select the best explanation about plenum entering.

- ① There are two types of door knob in plenum, for bare hands type and for gloves type.
- ② Go through double doors into the plenum, and open the double doors in the same time when equipment and tools is installed.
- ③ Communicating door for F1 and F2 are normally "Open" due to keep a condition of airflow in C/R.

【 comment 】

There are two types of door knob in plenum, for bare hands type and for gloves type. Because worker have a risk of chemical exposure if worker touch the "For gloves door" with bare hands. For example, below works are performed with gloves. So it's possible to remain some chemicals on the gloves.

- Repair work at the leakage piping for gas and chemical.

- Repair maintenance work at supply system for gas and chemical.

Please make sure label on the door, "For bare hands" or "For gloves", and then go through the door. To open the double doors in the same time is not allowed because fab pressure will be uncontrolled.

15. Select the best explanation about plenum entering.

- ① Writing instrument that is dusting characteristic goods such as pencil are not allowed to bring into the plenum.
- ② Bring a equipment and tools into the plenum after clean up it with less than 5% IPA.
- ③ Clean paper only for drawings and memo pad are allowed to bring into the plenum.

【 comment 】

Bring-in goods into the plenum are limited. For example, pencil and highlight pen are

not allowed to bring into the plenum. Because pencil lead and highlight pen discharge a particle and volatile solvent. For paper, clean paper and regular paper are allowed to bring into the plenum. But cardboards and pasteboards are not allowed to bring into the plenum due to highly risk of atmosphere contamination such as particle. Equipment and tools have to clean up with less than 5% IPA before installation it. Because it's same as requirement from atmosphere contamination as above-mentioned.