

Precautions for Handling Organic Solvent

- I. The organic solvent may cause varying degree of adverse health effect to the human body and result in the following symptoms of
(1) headache, (2) slackness, (3) dizziness, (4) anemia, and (5) liver damage;
hence it is imperative to be cautious when handling it.
- II. When engaging in handling organic solvent, take heed of:
 1. keeping a tight lid on the container of organic solvent whether it is in use or not;
 2. storing in workplace, only the allowable volume of organic solvent needed exactly for the use of the operating day;
 3. working in the upward position to avoid inhaling vapor of organic solvent;
and
 4. avoiding direct skin contact.
- III. In case of acute poisoning,
 1. move the injured patient to a place with fresh air ventilation in sideway or upward inclined position with the head inclined downward, and keep him or her warm to avoid hypothermia to his or her body;
 2. immediately notify site superintendent, administrative staff for safety and health or other related employees in charge of health based work;
 3. help those who are suffering loss of consciousness to take any food out from their mouths immediately; and
 4. administer cardiovascular pulmonary resuscitation or artificial respiration for those who stop breathing.

Precautions for Handling Specific Chemical Substance

- I. The specific chemical substance may cause varying degree of adverse health effect to the human body and result in the following symptoms of:
pain, top-heavy, vomiting, nausea, dyspnea and organs damage; hence it is imperative to be cautious when handling it.
- II. When engaging in handling specific chemical substance, it is imperative to:
 1. properly wear protective oral-nasal mask or face guard;
 2. wear rubber shoes and gloves to prevent skin from coming into contact with any chemicals;
 3. retrieve chemicals by using clean spoon or tweezers;

4. clean up any containers or utensils used by water rinsing after finish the experiment, then place them back to the specified position;
 5. notify the superintendent and accept his or her instruction if it occurs an abnormal reaction in the chemicals; and
 6. work according to the instruction given and the standard operation method without any change.
- IV. In case of chemical leakage, skin contact or being injured, adopt the response measures described below:
1. adopt different ways of emergency treatment based on the nature of leaking chemicals to maintain a smaller harm.
 2. first rinse the skin coming into contact with chemicals by water, then send for medical attention.
 3. send the patient who has either an subjective symptom or an objective symptom for medical attention at once.