

**Annex 9 Courses and hours of safety and health education & trainings specified for supervisors in charge of harmful operations**

**I. Courses and hours of safety and health education & trainings specified for supervisors in charge of organic solvent operations (18 hours)**

1. Laws and regulations relevant to labor safety & health in organic solvent operations 2 hours
2. Prevention Rules of Organic Solvent Intoxication 3 hours
3. Major application and toxicity of organic solvents 2 hours
4. Organic solvent measurement 2 hours
5. Workplace improvement and safety & health protective equipment for organic solvent operations 3 hours
6. Industrial ventilation installations and maintenance 3 hours
7. Safety & health management and implementation of organic solvent operations 3 hours

**II. Courses and hours of safety and health education & trainings specified for supervisors in charge of lead operations (18 hours)**

1. Laws and regulations relevant to labor safety & health in lead operations 2 hours
2. Lead Intoxication Prevention Rules 3 hours
3. Major application and toxicity of lead 2 hours
4. Lead measurement 2 hours
5. Workplace improvement and safety & health protective equipment for lead operations 3 hours
6. Industrial ventilation installations and maintenance 3 hours
7. Safety & health management and implementation of lead operations 3 hours

**III. Courses and hours of safety and health education & trainings specified for supervisors in charge of tetra-alkyl lead operations (18 hours)**

1. Laws and regulations relevant to labor safety & health in tetra-alkyl lead operations 2 hours
2. Prevention Rules of Tetra-Alkyl Lead Intoxication 3 hours
3. Major application and toxicity of tetra-alkyl lead 2 hours
4. Tetra-alkyl lead measurement 2 hours
5. Workplace improvement and safety & health protective equipment for tetra-alkyl lead operations 3 hours
6. Industrial ventilation installations and maintenance 3 hours

7. Safety & health management and implementation of tetra-alkyl lead operations 3 hours

**IV. Courses and hours of safety and health education & trainings specified for supervisors in charge of hypoxia operations (18 hours)**

1. Laws and regulations relevant to labor safety & health in hypoxia dangerous operations and confined space operations 3 hours
2. Anoxia Intoxication Prevention Rules 3 hours
3. Hazard prevention and safety & health protective equipment for places in hypoxia danger 3 hours
4. Workplace measurement for places in hypoxia danger 3 hours
5. Hypoxia incident response and rescue 3 hours
6. Safety & health management and implementation for hypoxia dangerous operations 3 hours

**V. Courses and hours of safety and health education & trainings specified for supervisors in charge of specified chemical substance operations (18 hours)**

1. Laws and regulations relevant to labor safety & health in specified chemical substance operations 2 hours
2. Prevention Standards of Specified Chemical Substance Hazards 3 hours
3. Major application and toxicity of specified chemical substance 2 hours
4. Leakage prevention, workplace improvement and safety & health protective equipment for specified chemical substance operations 3 hours
5. Measurements of specified chemical substance 2 hours
6. Hazards and first aid of specified chemical substance operations 1 hour
7. Industrial ventilation installations and maintenance 3 hours
8. Safety & health management and implementation for specified chemical substance operations 2 hours

**VI. Courses and hours of safety and health education & trainings specified for supervisors in charge of dusty operations (18 hours)**

1. Laws and regulations relevant to labor safety & health in dusty operations 3 hours
2. Standards for Dust Hazard Prevention 3 hours
3. Dust hazards & measurement 3 hours

4. Workplace improvement and safety & health protective equipment for dusty operations 3 hours
5. Industrial ventilation installations and maintenance 3 hours
6. Safety & health management and implementation for dusty operations 3 hours

**VII. Courses and hours of safety and health education & trainings specified for supervisors in charge of Indoor high-pressure operations (18 hours)**

1. Laws and regulations relevant to labor safety & health in abnormal pressure operations 2 hours
2. Standards for Abnormal Pressure Hazard Preventing 3 hours
3. Compress air construction methods 3 hours
4. Air supply and exhaust 3 hours
5. Abnormal pressure hazards 3 hours
- 6. Demonstration and practicum of decompression meters 4 hours**

**VIII. Courses and hours of safety and health education & trainings specified for supervisors in charge of diving operations (36 hours)**

1. Preparation and evaluation of diving operation safety plan 4 hours
2. Gas demand calculation of diving operations 4 hours
3. Decompression and emergency procedures of diving operations 6 hours
4. Communication and coordination of diving operations 2 hours
5. On-site command and monitoring practicum 4 hours
6. Safety and health management of diving operations 4 hours
7. Prevention, symptom identification and treatment of diving diseases 4 hours
8. Scenario simulation and case study of diving operations 8 hours