

## **Webinar Title: CHEMICAL SAFETY, CONTROL OF CHEMICAL HAZARDS, MSDS, HAZARDOUS CHEMICAL RULES, 1989, PPEs REQUIREMENTS**

**Registration Fee (including GST):-** Rs 1000/- (Rupees One thousand Only) per participant inclusive of GST

**Expert Speaker (Name/ Designation) – MR. RAMNISH BEDI , DIRECTOR , KEY TO HSE AND A NATIONAL LEVEL CONSULTANT CUM TRAINER**

**Webinar Date: 08.08.2021 Duration: 11.00 hours to 12.30 Hours ( one hour thirty minutes)**

### **About Webinar :**

Chemical Safety refers to the management of all operations and events within an industry in order to protect its employees and assets by minimizing chemical hazards, risks, accidents, and near misses. It is set of Standard Operation Procedures and protections put in place to ensure plant and factory worker protection from Chemical hazards that could cause injury. Chemical safety is primarily a management activity which is concerned with:

- Reducing, Controlling and Eliminating chemical hazards from the industries
- To prevent accidents in the plant by reducing the chemical hazard to minimum.
- To eliminate accident caused work stoppage and lost production.

In the workplace there are two types of chemical hazards: health hazards and physicochemical hazards. Chemical hazards and toxic substances pose a wide range of health hazards (such as irritation, sensitization, and carcinogenicity) and physical hazards (such as flammability, corrosion, and explosibility).

### **A MATERIAL SAFETY DATA SHEET (MSDS):**

**A Material Safety Data Sheet (MSDS) is a document that contains information on the potential hazards (health, fire, reactivity and environmental) and how to work safely with the chemical product. It is an essential starting point for the development of a complete health and safety program.**

The MSDS lists the hazardous ingredients of a product, its physical and chemical characteristics (e.g. flammability, explosive properties), its effect on human health, the chemicals with which it can adversely react, handling precautions, the types of measures that can be used to control exposure, emergency and first aid first aid procedures, and methods to contain a spill.

When new regulatory information, such as exposure limits, or new health effects information becomes available, the MSDS must be updated to reflect it. Employers and employees need the information contained on MSDSs to protect themselves from hazardous chemical exposures and to work safely with chemical products. The result will be a reduction in chemical source illness and injuries in the workplace. It should also be noted that MSDSs are only required for hazardous chemicals.

## **The MANUFACTURE, STORAGE AND IMPORT OF HAZARDOUS CHEMICAL (AMENDMENT) RULES, 1989:**

The regulation was firstly enacted in 1989 by the Ministry of Environment & Forests (MoEF) and later amended in 1994 and 2000. It regulates the manufacture, storage and import of hazardous chemicals in India. The transport of hazardous chemicals must meet the provisions of the Motor Vehicles Act, 1988.

"Hazardous Chemicals " includes 3 schedules. Regulatory requirements are different for each schedule.

For hazardous chemicals covered in schedule 1, site owners must meet the following obligations:

- identify hazards associated with industrial activity and take adequate steps for prevention and control
- provide relevant information to persons liable to be affected by a major accident
- notify the concerned authorities within 48 hours of the occurrence of a major accident
- provide safety data sheets and label every container of hazardous chemicals.

The webinar will focus on explaining chemical safety, chemical hazards and their control, PPEs required, different provisions of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 and latest amendments and discuss Material Safety Data Sheet (MSDS) and its usage for controlling hazardous chemicals .

### **Webinar Coverage:**

- Understanding the chemical Hazards and their different types
- Hazardous category of Chemicals
- Incompatibility of Chemicals.
- Safety measures while handling chemicals
- Control of Chemical Hazards.
- Chemical Labelling and control
- Material Safety Data Sheet (MSDS) and its importance.
- Key provisions of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989
- Personal Protective Equipment's (PPE) requirements.
- Chemical safety tips
- Control measures against chemical incidents/accidents
- Case study and examples

**Speaker Profile (Brief One Para & Photograph):** - Mr. Ramnish Bedi is Director of KEY TO HSE consultancy and training company. He has worked as Corporate Head in reputed companies like Gates India, Schneider Electrical, RICO Auto, Delphi, Federal Mogul, Nestle & Owens Corning. He is having 25 years' of working experience in Manufacturing sector like Automobile, FMCG, engineering, Chemical & Electrical Industries. He is a certified Lead Auditor for ISO 14001: 2015 & ISO:45001: 2018 and ZED Consultant certified by QCI. He is a national level consultant com trainer in the field of quality, health, safety and environment.



**Register to learn (Key Learning's' in bullet points):**

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- Control of Chemical Hazards.
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- Personal Protective Equipment's (PPE) requirements.
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Thanks, and regards

S.P.Singh

Regional Director

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