



Monday, 10/05/2021 10:21

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Towards chemical safety in the field of industrial gas

12/11/2020



On November 5, in Hanoi, the Department of Chemicals (Ministry of Industry and Trade) organized the seminar "Chemical safety standards in the field of industrial gas". This is one of the first activities, realizing the content of the Memorandum of Understanding, cooperation between the Department of Chemicals and the Asian Industrial Gas Association (AIGA).

Industrial gases, main raw materials for many manufacturing sectors

Speaking at the seminar, Mr. Nguyen Van Thanh - Director General of The Department of Chemicals said that industrial gas is considered one of the 10 sub-sectors of the chemical industry in Vietnam. Industrial gas plays a very important role in the economy, being the main raw material for many other manufacturing sectors. Accordingly, the development of the industrial gas industry is the prelium and driving force for many other industries to develop such as metal cutting welding industry, shipbuilding and repair industry, frozen food processing industry, pharmaceutical industry, electronics industry, steel processing industry, gas pipeline cleaning ... and some applied technology industries such as rubber hoaging, special steel, glass production, fertilizer ...

In addition to industrial use, industrial gases are also commonly used in the medical field such as medical hygiene, resuscitation, breathing, steaming, cold storage, aseptic, in particular oxygen gas for emergency patients ...

According to the report of the Department of Chemicals, in Vietnam there are a number of popular industrial gases such as oxygen, nitrogen, acetylene, Argon, Gasén, N2O, Helium, hydrogen and mixed gas. Currently, the market demand for industrial gas products in Vietnam is about 320 million m3 / year, of which, the oxygen market accounts for about 48%, the nitrogen market accounts for about 51%, the rest are rare gases such as argon, hydrogen, CO2, N2O, helium, mixed gas. The majority of rare gases are not domestically produced, must be imported to meet market demand. In the coming time, it is forecasted that the demand of some gases such as oxygen, nitrogen, CO2, will have a growth rate of 10-20% / year.

Besides, there are some large industrial gas plants in Vietnam such as Sovigas Company of Vietnam Chemical Group; Messer Group with a German technology line with a capacity of 16,500 m3/h, Air Liquide Group with a Capacity of 14,000m3/h, Viet Nhat Gas Company (VIJAGAS) with a capacity of 17,500 m3/h...

Strict management, ensuring safety

In fact, industrial gas is also a dangerous chemical managed by the Law on Chemicals and documents under the Law (Decree No. 113/2017 / ND-CP detailing and guiding the implementation of a number of provisions of the Law on Chemicals and Circular No. 32/2017 / TT-BCT).



Representative of Asian Industrial Gas Association (AIGA) speaking at the seminar

Regarding this issue, Mr. Van Huy Vuong - Deputy Head of Chemical Management Department - Department of Chemicals noted that for industrial gases produced with components containing hazardous chemicals, individual organizations must provide adequate and accurate information related to characteristics and properties. , information on classification, labeling and safety of chemicals for hazardous chemicals and products containing hazardous chemicals in accordance with current regulations. With particularly explosive characteristics according to the criteria of the Globally Harmonized System for classification and labeling of GHS chemicals, industrial gases on the list of chemicals restricted from production and business or the list of chemicals for conditional production and business in the industrial sector and need to be strictly managed to ensure safety. "Specifically, the regulations applied to industrial gases include: Types of licenses for production and trading of chemicals; appraisal of the plan for prevention and response to chemical incidents; requirements on training and training of chemical safety; annual report on chemical activities..."- representative of The Department of Information Chemicals.

Notably, enterprises must develop a plan to prevent and respond to chemical incidents for industrial gases in Appendix IV of Decree No. 113/2017/ND-CP to the Ministry of Industry and Trade for approval and self-elaborating, promulgating measures to prevent and respond to chemical incidents before putting the project into operation.

At the same time, carry out procedures for registration of issuance of certificates of eligibility for production, business / production and business restrictions with competent agencies.







The Asian Chemical Administration and Industrial Gas Association work together to share knowledge and best methods in chemical safety training and implement chemical safety awareness campaigns

Director general of The Department of Chemicals Nguyen Van Thanh recognized that the strict management of chemical safety in the field of industrial gas, ensuring safety promotes investment activities in the field of industrial gas in order to match the importance of the industrial gas industry to the development of the national economy. , especially as a major source of raw materials for many other industries.

Previously, in order to promote the development of the industrial gas industry in accordance with the practice in Vietnam and in harmony with international standards, on February 13, 2019, the Department of Chemicals and AIGA signed a Memorandum of Understanding to cooperate with the goal of sharing knowledge and best practices in chemical safety training; raising health and security awareness in the production and distribution of industrial gases; applying new technologies in management and use of industrial gases and medical gases to prevent accidents and chemical incidents; promote the synchronizing of relevant standards; support the organization of conferences, seminars and implementation of chemical safety awareness campaigns.

Industry and Trade Newspaper

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