



# INFORMATION FROM AIR PRODUCTS AS, SANDNES

Security and alert

Version 2  
12.11.2020

In accordance with Section 12 of the Major Accident Regulations, security and alert information is distributed to nearby business and homes of Air Products AS. Here you will get information about what you should do if any accidents occur. This information has been published at the request of the DSB (Directorate of public safety and preparedness).

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## 1. Company name and address

1.1 This information is from Air Products AS, org.no 974 146 290. Visiting address is Luramyrveien 27, 4313 Sandnes.



1.2 Internet address is [www.airproducts.no](http://www.airproducts.no)

This information is found under "Contact" on the front page.

1.3 The base manager is Jon Olav Birkeland. Email: [birkeljo@airproducts.com](mailto:birkeljo@airproducts.com)

Phone number: 51 63 62 92/95 04 65 09.

Duty phone 24/7: 91 66 37 73

## 2 Major Accident Regulations

2.1 Air Products is covered by the major accident regulations and submits a notification to DSB (Directorate of public safety and preparedness in accordance with § 6 No. 1. The major accident regulations can be read in full at:

<https://lovdata.no/dokument/SF/forskrift/2016-06-03-569>

## 3 Business activities

3.1 Air Products produce and mix compressed, oxidizing and liquid gases. This applies to Nitrogen, Oxygen and Helium. The gases are produced, stored and transported in gas cylinders and dewars.

Air Products also has storage of gases for another gas company, Nippon Gases Norway. This storage consists of compressed, oxidizing and flammable gases.

## 4 Overview of the company's gas types and their dangers

4.1 The company has the following types of gases:

Liquid gases: Helium, Nitrogen, Oxygen.

Compressed gases: Helium, Nitrogen, Oxygen, Air.

Flammable gases: Propane, Acetylene, Hydrogen.

4.2



**Gass under trykk.** Gass eller andre kjemikalier som er trykksatt, eller gass som er flytende ved svært lav temperatur. Beholderen kan eksplodere ved ytre brann.



**Oksiderende.** Kjemikalier som kan forårsake brann i eller bidra til forbrenning av andre materialer.



**Brannfarlig.** Kjemikalier som er brannfarlige og kan brenne voldsomt ved antenning eller varmetilførsel. Enkelte kjemikalier utvikler brannfarlig gass i kontakt med vann eller selvantenner i luft.

## 5 In the event of an accident

5.1 There are 2 scenarios that have the potential to affect nearby business, roads and homes. That is leakage of gas or a fire.

Leakage from storage tanks applies to Nitrogen, Helium and Oxygen.

5.2 Leakage from storage tanks of Nitrogen and Helium is generally not that dangerous, in the event of a leak, the gases in contact with the open air will evaporate and mix in the atmosphere.

Under the right weather conditions however this process can create a fog that spreads out from the leak area, and the fog can be suffocating as it displaces the oxygen in the air around it. This hazard is only relevant for areas in the immediate vicinity of our storage area, and the danger is short-lived as the gases evaporates into the atmosphere.

Leakage from liquid Nitrogen and Helium has also the potential of inflicting severe cold burns. If a leak is observed, pull away from Air Products' storage area.



5.3 In the event of a leak from the storage tank with Oxygen, this will also immediately start evaporation and go up into the atmosphere. However, as Oxygen is oxidizing, it is highly flammable and will significantly aggravate any fire.

Leakage from liquid Oxygen has also the potential of inflicting severe cold burns. If a leak is observed, pull away from Air Products' storage area.

In the event of such an incident we will, in collaboration with emergency services, create a minimum safety radius of 100 m.

5.4 In the event of a major fire which involves flammable gases and / or storage tank with liquid oxygen, in cooperation with emergency services, there is a full evacuation with a safety radius of at least 300 m.

Evacuation is also relevant in the event of a large fire hazard, for example in the event of a leakage of flammable gases.

If fire is observed on or near Air Products move away from the area, minimum 300 m.



5.5 In the event of an incident, it is primarily the emergency services that will be responsible for notification.

- Stay indoors unless otherwise notified.
- Close windows, doors and switch off ventilation.
- If you are outdoors and cannot get in, you should observe the wind direction and move away from the area across the wind direction.
- Maintain calm - pay special attention to vulnerable groups such as children, the elderly and the sick.
- Search for information on available media (radio, TV, internet, social media).

If it comes to evacuation the emergency services will contact you.

5.6 The fire department and police can provide continuous updates during an accident through radio and the internet.



## 6 Audit from the Directorate for Public Safety and Preparedness (DSB)

6.1 Reports from any major accident inspections in DSB's operations are in some cases available to the public.

[www.dsb.no](http://www.dsb.no)