

OKMETIC LTD

PUBLIC NOTICE TO SURROUNDING RESIDENTS

COMPANY ADDRESS

Okmetic Oy, Piitie 2, 01510 Vantaa

CONTACT

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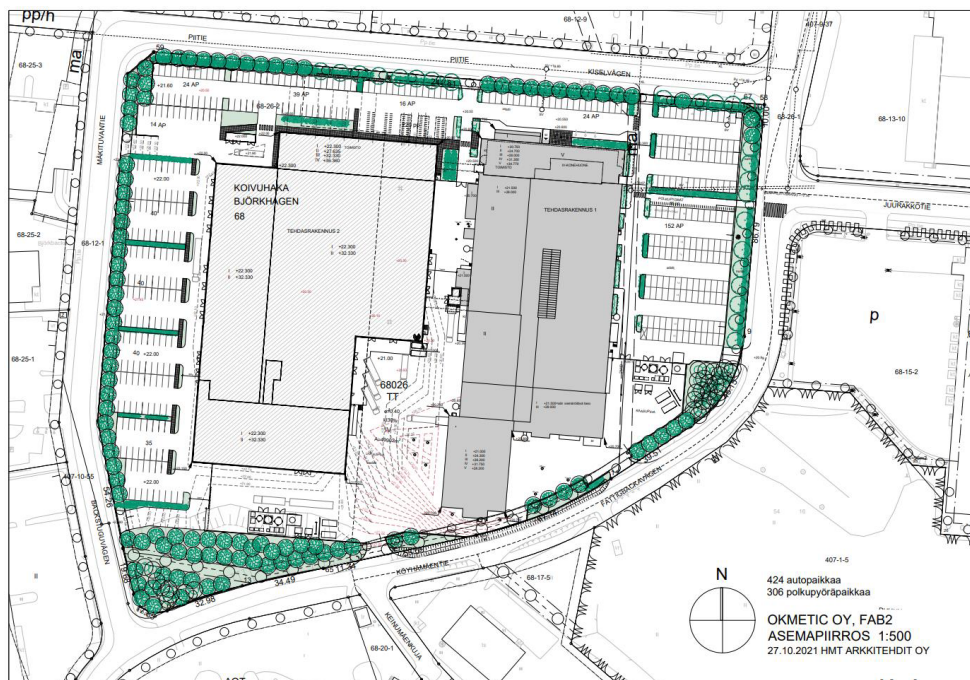
The Finnish Safety and Chemicals Agency, TUKES, has issued decision 4500/03.01/2023, according to which Okmetic Oy is a safety clearance agency. Okmetic has prepared a safety report to ensure safe operations and submitted this to TUKES.

Okmetic Oy manufactures polished silicon wafers for the needs of the semiconductor industry in Koivuhaka, Vantaa. The production of silicon wafers involves several mechanical and chemical production stages. The factory operates uninterrupted (24/7).

There are two production facilities in the area, which also have office premises. Production takes place mainly on the 3rd floors of production facilities. On the 1st floors of the production facilities, there is a clean water plant, a wastewater treatment plant, waste acid collection, chemical storage facilities and a warehouse for finished products. Air conditioners, refrigeration compressors and gas scrubbers are located on the floors above the production. Outside the building are located liquefied gas centers, a propane center, as well as a substation.

Hazardous chemicals are used and stored at the production plant. When handling chemicals, we comply with the laws and regulations concerning them, and they do not harm the environment.

Okmetic's gas station releases **harmless** water vapour into the vicinity **near zero degrees Celsius**.



The handling and storage of chemicals, rescue service planning and emergency maintenance comply with the relevant safety instructions and legislation. Okmetic informs the rescue department of its operations and thus maintains rescue preparedness.

External rescue preparedness is the responsibility of the Central Uusimaa Rescue Department. The Central Uusimaa Rescue Department is expected to draw up an external rescue plan together with Okmetic during 2025.

The rescue authority is responsible for all rescue operations, but Okmetic's protection organisation is responsible for the initial rescue operations and alerting those in immediate danger. In the event of an accident, the rescue department is alerted to the area. The responsibility for alerting the population lies with the rescue authorities. In this case, the danger is warned, if necessary, by means of a general hazard signal and an emergency warning.

When you hear a general alarm signal



Continuous rising and falling siren sounds – audible warning from the authorities



Go inside and stay there



Avoid using your phone



Close doors, windows, vents and ventilation equipment



The elimination of a hazard is indicated by a "danger over" sign and a radio bulletin.



Turn on the radio. Listen and follow the instructions given.

Accidents are prevented by regularly mapping risks and using this information in the design of facilities and equipment as well as in operating instructions.

In the safety report, the greatest risk factors have been identified on the basis of the hazardous nature of chemicals and their quantities handled at a time. Accident situations caused by the handling of chemicals have been modelled through measures related to the transport, transfer, storage and use of substances.

Hazard assessments have identified the possibility of a major accident in the case of tanks in the gas yard as a result of a malfunction in the filling situation, failure of a valve, pipe or seam.





With regard to liquid chemicals, the hazards are related to the handling and storage of chemicals, the related demolition event, fire and a leakage accident during transport at the plant site.

A major accident means a major emission, fire, explosion or other phenomenon that: results from uncontrolled events occurring during the operation of a production facility handling or storing hazardous chemicals that may pose a serious immediate or delayed danger to human health or the environment inside or outside the installation and involving one or more hazardous chemicals.

The following have been identified as major-accident hazard chemicals:

- Hydrofluoric acid
- Waste acid (contains hydrofluoric, nitric and acetic acid)
- Hydrogen
- Liquid oxygen

Risks related to hydrofluoric acid have been identified as the worst chemical risk.

Chemical and hazard labels	Tags	Effects
Hydrofluoric acid 	Colourless liquid with a pungent odour	May corrode metals. Fatal if swallowed. Fatal if inhaled. Fatal in contact with skin. Severely corrosive to the skin and damaging to the eyes.
Waste acid 	Liquid of yellowish or reddish color	Fatal if swallowed. Fatal in contact with skin. Fatal if inhaled. Severely corrosive to the skin and damaging to the eyes. Severely damages the eyes.
Hydrogen 	Colourless and odourless gas	Very flammable gas. Contains gas under pressure; may explode when heated.
Liquid oxygen 	Colourless and odourless gas	Creates a fire hazard or contributes to fire; Oxidizing. Contains gas under pressure; may explode when heated.

For evacuation due to a possible leak in the hydrofluoric acid discharge area, a rescue distance of at least 110 m is recommended.

In the event of a major hydrofluoric acid spill, members of the public are advised to take shelter indoors, close windows and doors, and stop ventilation units below the wind in an area extending 400 m from the spill site.

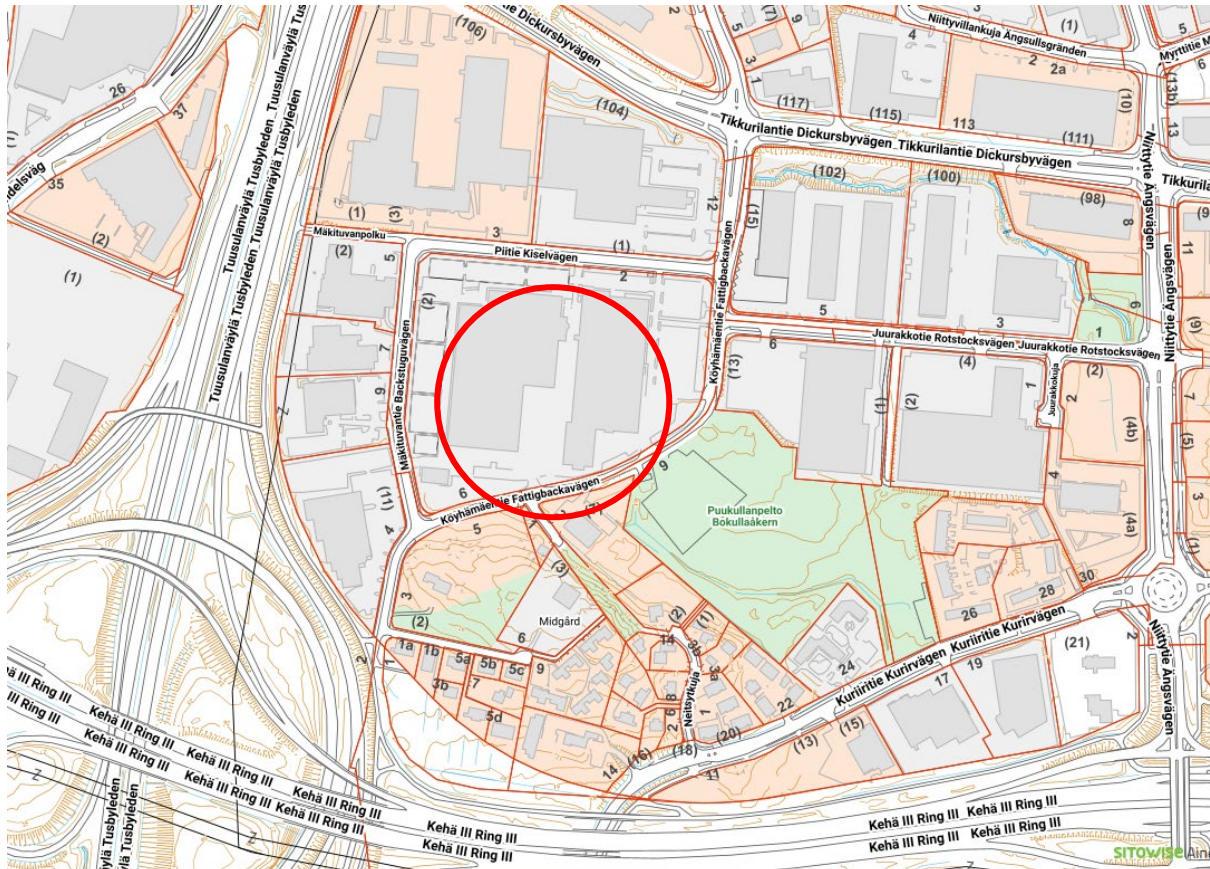


Figure: For evacuation due to a possible leak in the hydrofluoric acid discharge area, a rescue distance of at least 110 m is recommended (AEGl-2 30min).

The safety report of Okmetic Oy Vantaa's factory and the list of chemicals of dangerous substances are generally available at the company's reception, Piitie 2.

The date of the last TUKES inspection of the production plant and information about it can be sent by email. In addition, the report of TUKES's inspection and its date are available at the company's reception.

Further information on TUKES's inspections and reports:

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