Designation of the Plant Operator	Rytm-L Sp. z o.o. 43-100 Tychy ul. Strefowa 14 woj. śląskie
Contact with the Plant Operator Emergency Contact	Secretariat +48 32 324 00 01 Plant Security Office +48 32 324 00 34 e-mail: rytm@rytm-l.pl
Type of activity, types and number of installations, activity code	The plant operates in a branch of industry known as "building chemistry and technical aerosols". Type of business run according to the Polish Classification of Activities: • 2466Z Manufacture of other chemical products not classified elsewhere. • 2466 Manufacture of other chemical products not classified elsewhere.
Description of plant operations	The plant is located in the Tychy Economic Zone - in an industrial area. There are no residential or public utility buildings in the immediate vicinity. The plant manufactures polyurethane foam for the construction sector, acrylic and silicone sealants for the construction sector and technical aerosols. Production is run simultaneously using four process lines, viz.: • two single-component polyurethane foam manufacturing lines, • a line of technical aerosols, • a manufacturing line of silicone and acrylic sealants. Condensed LPG gas, as a carrier, is used to fill containers with technical aerosols and polyurethane foam. Outside the production and warehousing facility (in the open space) there are storage tanks for liquefied petroleum gas.

It is hereby confirmed that the Rytm-L plant is subject to the regulations on prevention of industrial failures and that the Plant Operator has filed a notification following the procedure referred to in Art. 250, par. 1 of the Environmental Act with the competent local authorities of the National Fire Service and the Provincial Inspectorate of Environmental Protection and has provided the necessary required documentation, including the Emergency Prevention Programme.

Characteristics of the stored dangerous substances determining the classification of a Rhythm-L facility in the category with plants with enhanced or high risk of a major industrial failure, taking into account their category and the risks they pose.

The Rytm-L manufacturing plant was classified as an establishment with an enhanced risk of a major industrial failure due to the on-site presence of dangerous substances with volumes exceeding those specified in Table 2 of the Ordinance of the Minister of Development of 29 January 2016 on the types and quantities of dangerous substances present on-site, key to classify the plant as a plant with an enhanced or high risk of a major industrial failure i.e. flammable liquefied gases falling into Cat. 1 or 2 (including liquefied petroleum gas) and due to exceeding the value of 1 when summing up the dangerous substances and preparations listed in Table 1 and covered by section P together with the dangerous substances listed in Table 2 and being flammable gases, flammable aerosols, flammable liquids specified in the above mentioned Ordinance.

Name of classifying substances:
Extremely flammable condensed liquefied petroleum gases (PROPANE/BUTANE, DIMETHYL ETHER, DIFLUOROETHANE) - complex gaseous mixtures.
Flammable aerosol product (finished goods comprising a single component polyurethane foam cans and technical aerosols) P3a EASY AEROSOLS (flam aerosol 1, flam aerosol 2) H222.
Liquid flammable substances (HYDROGEN TREATED KEROSENE FRACTIONS WITH LOW BOILING POINT, WIDE HEXANE FRACTION, HP-A SOLVENT, TECHNICAL ACETONE, ETHYL ACETATE, ISOPROPYL ALCOHOL); P5a, P5b, P5c Easily flam liq. 1, flam liq. 2, flam liq. 3) H224, H225, H226.

The Rytm-L plant has a water law permit for special use of waters under the responsibility of the Regional Water Management Board in Gliwice consisting in the discharge of rain and snowmelt water from the production plant to the Młynówka river ditch - Decision of 8 June 2012, Ref. No. IKO.6341.17.2012.UP, issued by the Mayor of Tychy with the water law permit valid until 8 June 2022.
The Rytm-L plant has notified about the operation of installations that can be a source of dust and gaseous air emissions - Decision on the approval of dust and gaseous air emissions issued by the Mayor of Tychy in 2014.

Information about operational procedure for general public concerning warning and acting in the event of a major industrial failure, agreed on with the competent bodies of the National Fire Service.

The Installations and facilities of the Rytm-L plant, where dangerous chemical substances are stored, processed, manufactured and transported, are equipped with measures curtailing a risk of a major industrial failure, such as metering of production parameters and monitoring the volume of stored dangerous substances, as well as safety measures listed below:
Storage tanks with liquefied petroleum gas (LPG) are equipped with:

- automatic safety valves,
- level gauges indicating the tank filling level (max. 85%),
- manually controlled shut-off valves at DME and R152A tanks and solenoid valve at LPG tank,
- unloading stations for road tankers (2 with gas pendulum and 1 pressurized) with shut-off valves,
- automatic shut-off valves at gasifying containers, controlled from the gas detection system with an option of manual closing,
- lightning protection system (lightning rods) and earthing system (discharging static electricity),

- tank supports of fire resistance class R120
- safety fences and protective barriers,
- portable fire fighting equipment (GP-4xABC extinguisher and powder type extinguisher AP-50),
- boards informing about the presence of explosion hazard zones,
- electrical system and equipment in explosion-proof design,
- external hydrant system with above-ground hydrants DN 80,
- fire separation wall RE 120 from the production room side,
- permanent video surveillance of the plant fenced site, operated by the plant security service.

The gasifying containers are equipped with:

- automatic gas detection system controlling emergency ventilation of containers with the explosion-proof design, valves cutting off the supply of gases to containers, stopping the operation of process line feeders and activating visual and acoustic signalling system warning about the danger,
- basic and emergency mechanical ventilation system in explosion-proof design,
- valves that cut off the gas supply to the containers (controlled automatically from the detection system with an option of manual closing),
- portable fire fighting equipment (GP-4x ABC powder extinguishers)
- equipotential bonding system and earthing system, discharging static electricity charges,
- electrical system and equipment in explosion-proof design,
- lightweight plastic roofs.

The technical aerosol mixing room is equipped with:

- pneumatic pumps for pumping and feeding of flammable raw materials to the mixer and to the AT process line as well as equipment and hoses in explosion-proof (Ex) design,
- automatic system for detection of flammable vapours of flammable liquids, controlling mechanical emergency ventilation in explosion-proof design, opening of the room air shutter and activation of visual and acoustic signalling system warning about the danger,
- Equipotential bonding system and earthing system - discharging electrostatic charges from installations, mixers, pumps, fittings and DPPL storage tanks,
- Mechanical basic supply and exhaust ventilation in explosion-proof design, activated manually,
- Foam sprinkler system activated manually to protect the room and storage tanks,
- lightning protection system (the overall manufacturing and warehousing facility),
- a spill tray underneath the storage tanks equipped with a platform for storing DPPL tanks and a downpipe under a small mixer,
- portable fire fighting equipment (GP-4x ABC powder extinguishers)
- internal hydrant system with hydrant 52,
- explosion-proof emergency lighting system,
- securing the room against unauthorized access in the form of access control and video preview from the facility security room,
- automatic fire alarm system, which controls the operation of smoke dampers, air shutters room, access control system, basic mechanical ventilation and visual and acoustic signalling system warning about the danger,
- signage warning about the presence of explosion hazard zones.

The production room is equipped with:

- automatic gas detection system blocked with mechanical emergency exhaust ventilation with the explosion-proof design, air shutters supplying air to the production room and a visual and acoustic signalling system warning about the danger,
- automatic fire alarm system, which controls the operation of smoke dampers, air shutters room, access control system, basic mechanical ventilation and visual and acoustic signalling system warning about the danger,
- manually activated basic mechanical ventilation system with explosion-proof design,
- electrical systems of process lines within the area of designated explosion hazard zones with the explosion-proof design,
- motors driving process lines with explosion-proof design,
- equipotential bonding system and earthing system - discharging electrostatic charges from process lines,
- lightning protection system - the entire room,
- automatically controlled can filling process lines,
- checking scales,
- non-sparking floor in the production room,
- emergency lighting system,
- evacuation and fire protection signage and warning of explosion hazard zones,
- portable fire fighting equipment (GP-4x ABC powder extinguishers and AP-25 powder unit),
- internal hydrant system with hydrants 52.

The finished goods warehousing facility is equipped with:

- automatic gas detection system, which controls the operation of emergency ventilation system, air shutters supplying air to the finished goods warehouse and visual and acoustic signalling system,
- automatic fire alarm system, controlling: the closing of the fire gate in the fire separation wall, switching off the access control system, operation of basic mechanical ventilation system as well as visual and acoustic signalling system warning about the danger,
- mechanical emergency exhaust ventilation system with explosion-proof design, activated automatically via the gas detection system,
- evacuation and fire protection signage,
- portable fire fighting equipment (GP-4x ABC powder extinguishers)
- internal hydrant system with hydrants 52,
- emergency lighting system,

The raw material warehousing facility is equipped with:

- automatic fire alarm system, controlling: the closing of the fire gate in the fire separation wall, switching off the access control system, opening of smoke dumpers, opening of the gates that aerate the raw materials warehousing facility, operation of basic mechanical ventilation system as well as visual and acoustic signalling system warning about the danger,
- evacuation and fire protection signage,
- portable fire fighting equipment (GP-4x ABC powder extinguishers)
- internal hydrant system with hydrants 52,
- emergency lighting system,

The outdoor storage yard is equipped with:

- closed-circuit television system, allowing the site to be monitored by the on-site security service,
- portable fire fighting equipment (2 x powder extinguishers GP-4x ABC),
- external hydrant system with hydrants DN 80 at a maximum distance of 75m from the storage yard,
- transport routes provide fire access to the storage yard.

An ad-hoc General Rescue Team (SGR) and an emergency group based on production workers were set up The company organizes periodic training courses and sessions for the employees based on programs dedicated to individual departments. The plant has developed a Fire Safety Manual covering the fire issues of the entire facility.

The Rytm-L facility has agreed that in case of a major industrial failure or fire the National Fire Service alarm procedure (ph. 998 or 112) The general public will be warned about the possible threat by means and forces of external rescue and law enforcement entities (Municipal Police, Police, National Fire Service). Neighbouring manufacturing plants will be notified of the possible hazard by means of the plant's internal resources and forces (security service and designated personnel).