PUBLIC DISCLOSURE

SECTION 1

1. Name and Adress

AKKİM KİMYA SAN. VE TİC. A.Ş.

MERKEZ MAHALLESİ, AKKİM SOKAK NO:7 TAŞKÖPRÜ – ÇİFTLİKKÖY / YALOVA

2. Safety Report Preparation

According to "Regulation on Prevention of Major Industrial Accidents and Mitigation of Impacts", hazardous substances in our organization have been declared using the notification system of the Ministry of Environment and Urbanization and a safety report has been prepared because it is a top-level organization.

3. Business Operation

Akkim Kimya Sanayi ve Tic. A.Ş. carries out inorganic and organic chemicals, textile auxiliaries, water and paper chemicals, cement and concrete additives, construction chemicals and ultrafiltration module production and provides turnkey projects of chemical facilities.

4. Chemicals may Cause Major Accident

According to "Regulation on Prevention of Major Industrial Accidents and Mitigation of Impacts Annex 1 - Section 1 and 2", chemicals may cause major accident and their deleteriousness information are listed below.

Hazardous Chemical Name	Physical, Health and Environmental Hazards (H Statements)	Intervenion Methods (P Statements)	Intervention Equipment	Personal Protective Equipment of Invention Team
Ammonia 7664-41-7	H221 Flammable gas. H280 Contains gas under pressure; may explode if heated. H331 Toxic if inhaled. H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life.	P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.	Fog-water spray. (In the absence of fog equipment, a fine spray of water may be used.) Use media suitable for surrounding fire.	Rescue personnel should be equipped with self-contained breathing apparatus.

Hazardous Chemical Name	Physical, Health and Environmental Hazards (H Statements)	Intervenion Methods (P Statements)	Intervention Equipment	Personal Protective Equipment of Invention Team
Chlorine 7782-50-5	H270 May cause or intensify fire; oxidiser. H280 Contains gas under pressure; may explode if heated. H330 Fatal if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life.	P302+P352 IF ON SKIN: Wash with plenty of water/… P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P311 Call a POISON CENTER (114)/doctor/… P332+P313 If skin irritation occurs: Get medical advice/attention.	CO_2, dry chemical powder, foam(Do not use water)	In case of firefighting personnel, wear respiratory protection and chemical protective clothing.Personnel in the event of firefighting should wear positive pressure full face masks, breathing apparatus and chemical protective clothing.Wear protective gloves and clothing.Cool tanks and product packaging with water spray.Cool portable packaging to safe environment.

Hazardous Chemical Name	Physical, Health and Environmental Hazards (H Statements)	Intervenion Methods (P Statements)	Intervention Equipment	Personal Protective Equipment of Invention Team
Dimethylamine 124-40-3	H220 Extremely flammable gas. H280 Contains gas under pressure; may explode if heated. H315 Causes skin irritation. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	Eliminate all ignition sources if safe to do so. Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Use water spray or fog for cooling exposed containers. Cool adjacent tanks / containers / drums with water jet. Do not allow water to enter the vessels, a violent reaction may occur. Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Keep upwind. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.	Only qualified personnelequipped with suitable protective equipment may intervene. Wear suitable protectiveclothing, gloves and eye/face protection. Protective gloves. EN 374 Safety glasses. EN 166. Wear suitable protective clothing. (P1 type mask)

Hazardous Chemical Name	Physical, Health and Environmental Hazards (H Statements)	Intervenion Methods (P Statements)	Intervention Equipment	Personal Protective Equipment of Invention Team
Trimethylamine 75-50-3	H220 Extremely flammable gas. H280 Contains gas under pressure; may explode if heated. H332 Harmful if inhaled. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.	P302+P352 IF ON SKIN: Wash with plenty of water/… P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	Eliminate all ignition sources if safe to do so. Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Use water spray or fog for cooling exposed containers. Cool adjacent tanks / containers / drums with water jet. Do not allow water to enter the vessels, a violent reaction may occur. Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Keep upwind. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.	Only qualified personnel equipped with suitable protective equipment may intervene. Wear suitable protective clothing, gloves and eye/face protection. Protective gloves. EN 374 Safety glasses. EN 166. Wear suitable protective clothing. (P1 type mask)

Hazardous Chemical Name	Physical, Health and Environmental Hazards (H Statements)	Intervenion Methods (P Statements)	Intervention Equipment	Personal Protective Equipment of Invention Team
1,2,4-Trimetil Benzen 95-63-6	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H411 Toxic to aquatic life with long lasting effects.	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER (114) /doctor/… P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P331 Do NOT induce vomiting.	Fog-water spray, dry chemical powder, foam	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air.

5. Actions to be Taken in the Major Industrial Accident

In case of a major industrial accident, despite all the technical and organizational measures taken, to overcome the accident and minimize its impact, we implement the Internal Emergency Plan within the scope of the relevant regulations. Within the Internal Emergency Plan we prepared, we have formed various service groups (Fire Service Group, CBRN Service Group, Search and Rescue Service Group etc.).

SECTION 2

1. Potential Major Industrial Accident

In every activity carries out, our company complies with the "Regulation on Prevention of Major Industrial Accidents and Reducing Effects" and in accordance with the regulation major accident scenarios have been studied, and the frequency of occurrence and severity of impacts of the toxic dispersion due to ammonia, chlorine and dimethylamine and jet fire due to dimethylamine, trimethylamine and 1,2,4-trimethyl benzene were determined. In case of public's exposure to toxic chemicals that may dispersed as a result of an accident, adverse effects may occur on the eyes, nose, throat irritation, shortness of breath, chest pain, pulmonary edema and eyes, skin and respiratory system.

2. Cope with Major Industrial Accidents and Reduce Effects

The probability of occurrence of all major accident scenarios has been reduced to an acceptable level using technical measures (safety instrumented systems, ex-proof equipment, emergency stop systems, pressure relief systems, gas detection systems, fire detection and extinguishing systems etc.) and organizational measures (organizing process safety-related systems, constantly consulting employees regarding to the safety management system, following up safety-related technological developments, collaborating with emergency departments etc.).

3. Emergency Services Cooperated for Responding to Major Industrial Accidents

Within the Internal Emergency Plan we prepared, we have determined how to coordinate with the relevant parties for cooperation with the emergency services (Ambulance service chief, Fire Brigade, AFAD) and have made adequate arrangements for emergency response in the organization.