

**1. Fictitious Industrial Plant , <a href="/TR/bolge/100" >Hungary</a>**

| Tesis Ünitesi                                                 | Afet Parametreleri | Kırılgnlık Eğrisi | Hasar Durumu | Tahmini Hasar | Fire/Explosion Event | Released Quantity | Hole Diameter | Release Duration | Pool Diameter | Release State | LOC State | Rupture type     | Endpoint Radiation Intensity | Endpoint Overpressure | RMP Toxic Endpoint ppm | Natech Probability | Endpoint Distance |
|---------------------------------------------------------------|--------------------|-------------------|--------------|---------------|----------------------|-------------------|---------------|------------------|---------------|---------------|-----------|------------------|------------------------------|-----------------------|------------------------|--------------------|-------------------|
| Storage Tank (ST1)<br>Diesel Fuel No.2<br>Qstored: 1061534 kg | hwater: 3 m        | FFC_ST1           | DS0          | 0.6604        | Pool Fire            | -                 | -             | -                | -             | Liquid        | -         | -                | 5000 W/m2                    | -                     | -                      | -                  | Yetersiz Veri     |
|                                                               |                    |                   | DS1          | 0.2018        | Pool Fire            | 1354.6 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 0.0001009          | 23.04 m           |
|                                                               |                    |                   | DS2          | 0.1726        | Pool Fire            | 1354.6 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 8.6303E-5          | 23.04 m           |
|                                                               |                    |                   | DS3          | 0.2018        | Pool Fire            | 1354.6 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 0.0001009          | 23.04 m           |
| Storage Tank (ST2)<br>Gasoline<br>Qstored: 863225 kg          | hwater: 3 m        | FFC_ST2_ST3       | DS0          | 0.1258        | Pool Fire            | -                 | -             | -                | -             | Liquid        | -         | -                | 5000 W/m2                    | -                     | -                      | -                  | Yetersiz Veri     |
|                                                               |                    |                   | DS1          | 0.7124        | Pool Fire            | 1101.5 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 0.003562           | 23.04 m           |
|                                                               |                    |                   | DS2          | 0.5626        | Pool Fire            | 1101.5 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 0.002813           | 23.04 m           |
|                                                               |                    |                   | DS3          | 0.7124        | Pool Fire            | 1101.5 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 0.003562           | 23.04 m           |
| Storage Tank (ST3)<br>Gasoline<br>Qstored: 863225 kg          | hwater: 3 m        | FFC_ST2_ST3       | DS0          | 0.1258        | Pool Fire            | -                 | -             | -                | -             | Liquid        | -         | -                | 5000 W/m2                    | -                     | -                      | -                  | Yetersiz Veri     |
|                                                               |                    |                   | DS1          | 0.7124        | Pool Fire            | 1101.5 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 0.003562           | 23.04 m           |
|                                                               |                    |                   | DS2          | 0.5626        | Pool Fire            | 1101.5 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 0.002813           | 23.04 m           |
|                                                               |                    |                   | DS3          | 0.7124        | Pool Fire            | 1101.5 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 0.003562           | 23.04 m           |
| Storage Tank (ST4)<br>Diesel Fuel No.2<br>Qstored: 640382 kg  | hwater: 3 m        | FFC_ST4           | DS0          | 0.6309        | Pool Fire            | -                 | -             | -                | -             | Liquid        | -         | -                | 5000 W/m2                    | -                     | -                      | -                  | Yetersiz Veri     |
|                                                               |                    |                   | DS1          | 0.2432        | Pool Fire            | 1354.6 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 0.0001216          | 23.04 m           |
|                                                               |                    |                   | DS2          | 0.1663        | Pool Fire            | 1354.6 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 8.3172E-5          | 23.04 m           |
|                                                               |                    |                   | DS3          | 0.2432        | Pool Fire            | 1354.6 kg         | 25 mm         | 10 min           | 13.767 m      | Liquid        | Moderate  | Vessel hole/leak | 5000 W/m2                    | -                     | -                      | 0.0001216          | 23.04 m           |