

```
environmental_conditions:
  pressure:
    initial_value: [P1, ..., PN]
    units: Pa
  temperature:
    initial_value: [T1, ..., TN]
    units: K
initial_state:
  A:
    initial_value: [A1, .., AN]
    units: mol m-3
  B:
    initial_value: [B1, .., BN]
    units: mol m-3
  C:
    initial_value: [C1, .., CN]
    units: mol m-3
reactions:
- coefficients:
  A: 1476.0
  Ea: 5.5e-21
  B: 150.0
  E: 0.15
  products:
    C: 1.0
  reactants:
    A: 1.0
    B: 1.0
  type: ARRHENIUS
species:
- description: A
  name: A
- description: B
  name: B
- description: C
  name: C
```