

## 1 | General Information and Overview

Product	Risk assessor
<p>Product name: <b>Electric toasters</b></p> <p>Product category: <b>Electrical household appliances</b></p> <p>Description: <b>This is a risk assessment template for handheld toasters. It describes likely injury scenarios linked to non-conformities with the following clauses of EN 60335-2-9:2003:</b></p> <p><b>Clause 8.1 - protection against access to live parts</b>  <b>Clause 11.101 (+ CENELEC guide 29) - heating, surface temperatures</b>  <b>Clause 19-101 - abnormal operation</b></p> <p><b>How to use</b>  Users of the template should select the scenario(s) corresponding to the non-conformities identified for the product under assessment. All other scenarios can be deleted.  The probabilities are estimated in the remaining scenarios.  The scenarios presented in the template are likely scenarios. Users should ensure that the scenarios are suitable, that the steps are correct and that the injury level is appropriate.</p> <p><b>Disclaimer:</b>  The template has been developed by a Joint Action working group composed of market surveillance experts. The intention is to support market surveillance officials assessing the risk with a particular product as part of a market surveillance case.  The template is not authorized or endorsed in any way and it is not binding for Member State market surveillance authorities.  The contents of the original template is subject to change</p>	<p>First name:</p> <p>Last name:</p> <p>Organisation:</p> <p>Address:</p>

Product	Risk assessor
<p>without notice.</p> <p><b>Disclaimer:</b> This Risk Assessment Template arises from the Joint Market Surveillance Action on GPSD Products – JA2015, which received funding from the European Union in the framework of the ‘Programme of Community Action in the field of Consumer Policy (2014-2020)’. The content of this document represents the views of the author only and it is his sole responsibility; it cannot be considered to reflect the views of the European Commission and/or the Consumers, Health, Agriculture and Food Executive Agency or any other body of the European Union. The European Commission and the Agency do not accept any responsibility for use that may be made of the information it contains.</p>	

## 2 | Product risks - Overview

- Scenario 1 : To be determined - The toaster does not comply with clause 8.1.3 (protection against access to live parts) so live parts are accessible. A child uses the toaster and is unaware of the risk. The child gets in touch with live parts and gets a fatal electric shock.
- Scenario 2 : To be determined - A child uses the toaster. The toaster has accessible metal surfaces that achieve a temperature above 58 degrees Celsius during use. The user does not recognise the hot surface, touches it and sustains burns.
- Scenario 3 : To be determined - The toaster is made from material that too easily catches flames. The consumer uses the toaster, but bread gets stuck in the toaster. The toaster heats up and produces flame. The user doesn't notice in time and is unable to handle the fire himself. Flames set fire to furniture in the room, but fire is contained to this one room (harm level 2 according to MSG document).
- Scenario 4 : To be determined - The toaster is made from material that can't withstand high temperatures. The consumer uses the toaster, but bread gets stuck in the toaster. The toaster heats up and the housing breaks or melts partly so that live parts become accessible. The user notices and wants to stop the incident by disconnecting and removing the toaster. During these efforts, he gets in touch with live parts and gets an electric shock.

## Scenario 1 : Other consumers - High/low voltage

### 1 | Product hazard

Hazard Group: **Electrical energy**  
Hazard Type: **High/low voltage**

### 2 | Consumer

Consumer type: **Other consumers - Consumers other than vulnerable or very vulnerable consumers**

### 3 | How the hazard causes an injury to the consumer

Injury scenario: **The toaster does not comply with clause 8.1.3 (protection against access to live parts) so live parts are accessible. A child uses the toaster and is unaware of the risk. The child gets in touch with live parts and gets a fatal electric shock.**

### 4 | Severity of Injury

Injury: **Electric shock**  
Level: **4 Electrocution**

### 5 | Probability of the steps to injury

Step	Step(s) to Injury	Probability
1	The toaster does not comply with clause 8.1.3 (protection against access to live parts) so live parts are or can become accessible.	1
2	The user uses the toaster and is unaware of the risk.	0
3	The user gets in touch with live parts.	0
4	The user gets a fatal electric shock.	0

Calculated probability	Overall probability	Risk of this scenario
To be determined	To be determined	Risk to be determined

## Scenario 2 : Other consumers - Hot surfaces

### 1 | Product hazard

Hazard Group: **Extreme temperatures**

Hazard Type: **Hot surfaces**

### 2 | Consumer

Consumer type: **Other consumers - Consumers other than vulnerable or very vulnerable consumers**

### 3 | How the hazard causes an injury to the consumer

Injury scenario: **A child uses the toaster. The toaster has accessible metal surfaces that achieve a temperature above 58 degrees celcius during use. The user does not recognise the hot surface, touches it and sustains burns.**

### 4 | Severity of Injury

Injury: **Burn/ Scald (by heat, cold, or chemical substance)**

Level: **1 1°, up to 100% of body surface, 2°, <6% of body surface**

### 5 | Probability of the steps to injury

Step	Step(s) to Injury	Probability
1	The toaster has accessible metal surfaces that achieve a temperature above 58 degrees celcius during use.	1
2	A user uses the toaster.	0
3	The user does not recognise the hot surface and touches it.	0
4	The user sustains burns.	0

Calculated probability	Overall probability	Risk of this scenario
To be determined	To be determined	Risk to be determined

## Scenario 3 : Other consumers - Open flames

### 1 | Product hazard

Hazard Group: **Extreme temperatures**

Hazard Type: **Open flames**

### 2 | Consumer

Consumer type: **Other consumers - Consumers other than vulnerable or very vulnerable consumers**

### 3 | How the hazard causes an injury to the consumer

Injury scenario: **The toaster is made from material that too easily catches flames. The consumer uses the toaster, but bread gets stuck in the toaster. The toaster heats up and produces flame. The user doesn't notice in time and is unable to handle the fire himself. Flames set fire to furniture in the room, but fire is contained to this one room (harm level 2 according to MSG document).**

### 4 | Severity of Injury

Injury: **Burn/ Scald (by heat, cold, or chemical substance)**

Level: **2 2°, 6-15% of body surface**

### 5 | Probability of the steps to injury

Step	Step(s) to Injury	Probability
1	The toaster is made from material that too easily catches flames.	1
2	The user uses the toaster, and bread gets stuck in the toaster.	0
3	The toaster heats up and produces flame.	0
4	The user doesn't notice in time and is unable to handle the fire himself.	0
5	Flames set fire to furniture in the room. Fire is contained to this one room (harm level 2 according to MSG document).	0

Calculated probability	Overall probability	Risk of this scenario
To be determined	To be determined	Risk to be determined

## Scenario 4 : Other consumers - High/low voltage

### 1 | Product hazard

Hazard Group: **Electrical energy**  
Hazard Type: **High/low voltage**

### 2 | Consumer

Consumer type: **Other consumers - Consumers other than vulnerable or very vulnerable consumers**

### 3 | How the hazard causes an injury to the consumer

Injury scenario: **The toaster is made from material that can't withstand high temperatures. The consumer uses the toaster, but bread gets stuck in the toaster. The toaster heats up and the housing breaks or melts partly so that live parts become accessible. The user notices and wants to stop the incident by disconnecting and removing the toaster. During these efforts, he gets in touch with live parts and gets an electric shock.**

### 4 | Severity of Injury

Injury: **Electric shock**  
Level: **2 Local effects (temporary cramp or muscle paralysis)**

### 5 | Probability of the steps to injury

Step	Step(s) to Injury	Probability
1	The toaster is made from material that can't withstand high temperatures.	1
2	The user uses the toaster, and bread gets stuck in the toaster.	0
3	The toaster heats up and the housing breaks or melts partly so that live parts become accessible.	0
4	The user notices and wants to stop the incident by disconnecting and removing the toaster.	0
5	During these efforts, he gets in touch with live parts and gets an electric shock.	0

Calculated probability	Overall probability	Risk of this scenario
To be determined	To be determined	Risk to be determined