1 | General Information and Overview

Product		Risk assessor	
Product name:	Handheld mixers	First name:	
Product category:	Electrical household appliances	Last name:	
Description:	This is a risk assessment template for handheld electrical mixers. It describes likely injury scenarios linked to non-conformities with the following clauses of EN 60335-2-14:2006: Clause 8 - protection against access to live parts Clause 21.Z101 - mechanical strength, drop test How to use 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. Disclaimer: 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 without notice. Disclaimer:	Organisation:	
		Address:	

Product	Risk assessor
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.	

2 | Product risks - Overview

Scenario 1 :	To be determined - The mixer is contructed in a way so that live parts are accessible. A child uses the mixer without being aware of the electrical risk. The child accidentally touches live parts. The child gets an electric shock.
Scenario 2 :	To be determined - The consumer uses the mixer. The consumer wants to place the mixer on the table, but it falls to the ground and is damaged in a way that makes live parts accessible. The user doesn't notice the damage but picks up the mixer, gets in touch with the electric parts and gets a fatal electric shock.
Scenario 3 :	To be determined - The consumer uses the mixer. The consumer wants to place the mixer on the table, but it falls to the ground and is damaged in a way that allows access to parts with basic insulation. Dust has built up inside the mixer over time so the basic insulation doesn't provide sufficient protection and metal parts of the mixer have been energised. The user doesn't notice the damage to the housing but picks up the mixer, gets in touch with energised parts and gets an electric shock.

Scenario 1 : Older children - High/low voltage

1 | Product hazard

Hazard Group: **Electrical energy**

Hazard Type: **High/low voltage**

2 | Consumer

Consumer type: **Older children - 8 to 14 years (Vulnerable consumers)**

3 | How the hazard causes an injury to the consumer

Injury scenario: **The mixer is contructed in a way so that live parts are accessible. A child uses the mixer without being aware of the electrical risk. The child accidentally touches live parts. The child gets an 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 mixer is contructed in a way so that live parts are accessible.	1
2	An older child uses the mixer without being aware of the electrical risk.	0
3	The child accidentally touches live parts.	0
4	The child 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 - 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 consumer uses the mixer. The consumer wants to place the mixer on the table, but it falls to the ground and is damaged in a way that makes live parts accessible. The user doesn't notice the damage but picks up the mixer, gets in touch with the electric 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 user uses the mixer and wants to place it on the table.	1
2	The mixer falls to the ground and is damaged in a way that makes live parts accessible.	0
3	The user doesn't notice the damage but picks up the mixer.	0
4	The user gets in touch with the live parts and 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 3 : 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 consumer uses the mixer. The consumer wants to place the mixer on the table, but it falls to the ground and is damaged in a way that allows access to parts with basic insulation. Dust has built up inside the mixer over time so the basic insulation doesn't provide sufficient protection and metal parts of the mixer have been energised. The user doesn't notice the damage to the housing but picks up the mixer, gets in touch with energised 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 user uses the mixer and wants to place it on the table.	1
2	The mixer falls to the ground and is damaged in a way that allows access to parts with basic insulation.	0
3	Dust has built up inside the mixer over time so the basic insulation doesn't provide sufficient protection and metal parts of the mixer have been energised.	0
4	The user doesn't notice the damage to the housing but picks up the mixer.	0
5	The user gets in touch with energised 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