

Risk Assessment for RAPEX

General Information

Product

Product name: Ride-on lawn mower

Product category: Lawn mowers

Description: This is a PROSAFE risk assessment template for ride-on lawn mowers. It describes one likely injury scenario for a lawn mower with failing brakes.

How to use

Users should analyse the scenario to check that it corresponds to the non-compliance identified in the product under assessment.

If it does, the probabilities are estimated in the scenario. Users are reminded that the scenario presented in the template is a likely scenario. Users should always assure that the scenario does indeed give a good representation of the situation that is being assessed. This includes among other things checking that the scenario is suitable, that the steps are correct and that the injury level is appropriate.

Disclaimer

The template has been developed by a PROSAFE 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.

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Product risks - Overview

Scenario 1 : **Risk to be determined** - A person rides the lawnmower on a slope. The transaxle is too weak and may break which will cause the brakes not to function. The transaxle breaks. The user cannot brake so the tractor accelerates and tips over. The person is trapped and crushed under the tractor.

Overall risk : **Risk to be determined**

Scenario 1 : Other consumers - Moving product

Product hazard

Hazard Group: Kinetic energy
Hazard Type: Moving product

Consumer

Consumer Type: Other consumers - Consumers other than vulnerable or very vulnerable consumers

How the hazard causes an injury to the consumer

Injury scenario: A person rides the lawnmower on a slope. The transaxle is too weak and and may break which will cause the brakes not to function. The transaxle breaks. The user cannot brake so the tractor accelerates and tips over. The person is trapped and crushed under the tractor.

Severity of Injury

Injury: Crushing
Level: 4 Spinal cord
Mid-low neck
Chest (massive crushing)
Brain stem

Probability of the steps to injury

Step(s) to Injury	Probability
Step 1: A person rides the lawnmower on a slope.	1
Step 2: The transaxle is too weak and and may break which will cause the brakes not to function.	1
Step 3: The transaxle breaks. (The probability depends upon the actual mechanical strength of the transaxle. Can be determined from laboratory tests.)	
Step 4: The user cannot brake so the tractor accelerates and tips over. (The probability depends upon the stability of the lawn mower and how easy it is to get off inter alia.)	
Step 5: The person is trapped and crushed under the tractor. (The probability and the injury level depends upon the weight and the geometry of the lawn mower - how likely is it that the user will actually get caught underneath the lawn mower if it tips over.)	

Calculated probability:

To be determined

Overall probability:

To be determined

Risk of this scenario:

Risk to be determined