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Bacterial-based additives for the production of artificial snow: What are the risks to human health?

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Tables

Table I

Exposure scenarios and types of persons concerned

Exposure scenario	Type of person exposed
During mixture preparation in the tank	Snowmaker
During cleaning of the mixing equipment	Snowmaker
To the artificial snow plume	Adult and child skiers
	All staff
To artificial snow on the ground	Adult and child skiers
	All staff

Table II

Human health risks relating to exposure to artificial snow

<i>Exposure</i>						
Type of person	Mixture preparation	Diluted product	Cleaning mixing equipment	Snow plume	Snow on ground	
	Negligible			Negligible		
Snowmakers with PPE	to low	Negligible	Negligible	to low		Nil
	Low		Low			
Snowmakers without PPE	to moderate	Low	to moderate			Nil
Slope managers, slope safety officers, ski instructors, rescue workers	na	na	na	Nil		Nil
					negligible	
Snow grooming machine drivers, ski lift operators	na	na	na	Nil		Nil
					Nil	
Child skiers	na	na	na	to negligible		Negligible
						Nil

Adult skiers	na	na	na	to	Nil
				negligible	

na: not affected