

Gz: 4.0-710 05/14.00027
Produktname: frunax DS Rattenfertigmöder 25 ppm

Application number: 1-7
Application: Application of granular bait in packages less than or equal to 25 kg (\leq 25 kg)

Ingredient Biocidal product	TIER 1		TIER 2	
	potential inhalation [mg/m ³]	potential dermal [mg/day]	actual inhalation [mg/m ³]	actual dermal [mg/day]
<i>Wirkstoff: Difenacoum</i>	7,52E-06	1,13E-02	not expected	4,73E-04

Application number: 1-7
Application: Application of granular bait in packages up to 10 kg (\leq 10 kg)

Ingredient Biocidal product	TIER 1		TIER 2	
	potential inhalation [mg/m ³]	potential dermal [mg/day]	actual inhalation [mg/m ³]	actual dermal [mg/day]
<i>Wirkstoff: Difenacoum</i>	not expected	4,73E-03	not expected	4,73E-04

Application number: 1-7

Application: Application of granular bait in packages less than or equal to 25 kg (≤ 25 kg)

Ingredient biocidal product	TIER 1		TIER 2	
	potential inhalation [mg/m ³]	potential dermal [mg/day]	actual inhalation [mg/m ³]	actual dermal [mg/day]
a.s.: Difenacoum	7,52E-06	1,13E-02	not expected	4,73E-04

Details of exposure assessment

formulation type	granular bait		factor	RMM
conc. a.s.	0,0025%	respiratory protection	1	no protection
number of decanting	5			
duration	15 min	dermal protection (hands)	10%	protective gloves

a.s.: Difenacoum

INHALATION EXPOSURE	TIER 1	INHALATION EXPOSURE	TIER 2
Mixing&Loading		Mixing&Loading	not applicable, bucket size adjusted to 10kg
Indicative value (75th percentile) 1)	9,62 mg/m ³		
Duration	15 min		
Inhalative Exposure	144,30 mg/m ³		
Potential inhalative exposure (product) 8 h TWA	3,01E-01 mg/m ³		
Potential inhalation exposure a.s. 8 h TWA	7,52E-06 mg/m ³		
Application	not expected	Application	not expected
Post-Application	not expected	Post-Application	not expected
All phases		All phases	
Total potential inhalation exposure a.s. 8h TWA	7,52E-06 mg/m ³	Total actual inhalation exposure a.s. 8h TWA	not expected
DERMAL EXPOSURE	TIER 1	DERMAL EXPOSURE	TIER 2
Mixing&Loading		Mixing&Loading	not applicable, bucket size adjusted to 10kg
Indicative value (75th percentile) 1)	52,34 mg b.p. / manipulation		
Decanting	5 number of manipulations		
Potential hand exposure (product)	261,7 mg		
Potential hand exposure a.s.	6,54E-03 mg a.s.		
Application		Application	
Indicative value (75th percentile) 1)	2,04 mg b.p. / manipulation	Potential hand exposure a.s.	3,21E-03 mg a.s.
Bait stations loading 2)	63 number of manipulations	RMM: protective gloves	10%
Potential hand exposure (product)	128,52 mg	Actual hand exposure a.s.	3,21E-04 mg a.s.
Potential hand exposure a.s.	3,21E-03 mg a.s.		
Post-Application		Post-Application	
Indicative value (75th percentile) 1)	3,79 mg b.p. / manipulation	Potential hand exposure a.s.	1,52E-03 mg a.s.
Bait stations cleaning (20%) 2)	16 number of manipulations	RMM: protective gloves	10%
Potential hand exposure (product)	60,64 mg	Actual hand exposure a.s.	1,52E-04 mg a.s.
Potential hand exposure a.s.	1,52E-03 mg a.s.		
All phases		All phases	
Total potential dermal exposure all phases a.s.	1,13E-02 mg a.s.	Total actual dermal exposure all phases a.s.	4,73E-04 mg a.s.

1) Chambers study (2004)

2) HEEG opinion TM III/10

Application number: 1-7
Application: Application of granular bait in packages up to 10 kg (≤ 10 kg)

Ingredient biocidal product	TIER 1		TIER 2	
	potential inhalation [mg/m ³]	potential dermal [mg/day]	actual inhalation [mg/m ³]	actual dermal [mg/day]
a.s.: Difenacoum	not expected	4,73E-03	not expected	4,73E-04

Details of exposure assessment

formulation type	granular bait		factor	RMM
conc. a.s.	0,0025%	respiratory protection	1	no protection
		dermal protection (hands)	10%	protective gloves

a.s.: Difenacoum

INHALATION EXPOSURE	TIER 1	INHALATION EXPOSURE	TIER 2
Mixing&Loading	not applicable	Mixing&Loading	not applicable
Application	not expected	Application	not expected
Post-Application	not expected	Post-Application	not expected
All phases	not expected	All phases	not expected
DERMAL EXPOSURE	TIER 1	DERMAL EXPOSURE	TIER 2
Mixing&Loading	not applicable	Mixing&Loading	not applicable
Application		Application	
Indicative value (75th percentile) 1)	2,04 mg b.p. / manipulation	Potential hand exposure a.s.	3,21E-03 mg a.s.
Bait stations loading 2)	63 number of manipulations	RMM: protective gloves	10%
Potential hand exposure (product)	128,52 mg	Actual hand exposure a.s.	3,21E-04 mg a.s.
Potential hand exposure a.s.	3,21E-03 mg a.s.		
Post-Application		Post-Application	
Indicative value (75th percentile) 1)	3,79 mg b.p. / manipulation	Potential hand exposure a.s.	1,52E-03 mg a.s.
Bait stations cleaning (20%) 2)	16 number of manipulations	RMM: protective gloves	10%
Potential hand exposure (product)	60,64 mg	Actual hand exposure a.s.	1,52E-04 mg a.s.
Potential hand exposure a.s.	1,52E-03 mg a.s.		
All phases		All phases	
Total potential dermal exposure all phases a.s.	4,73E-03 mg a.s.	Total actual dermal exposure all phases a.s.	4,73E-04 mg a.s.

1) Chambers study (2004)

2) HEEG opinion TM III/10