

WHO Prequalification of Vector Control Products

Declaration of product formulation for incorporated ITN fabric

Company	Example Net Manufacturing Ltd.
Product name	Example Nets Plus
PQ Ref #	
Formulation code	ENM8839-Y
Version number	004
Effective date	27/4/2019

Section A: Chemical compositions of formulated intermediates

A1: Pyrethroid masterbatch

Ingredient	Grade/CAS#/other	Supplier name(s) and address(es)	Amount	Certified Limits		Purpose in formulation
				Upper	Lower	
Deltamethrin TC 95% (equiv. deltamethrin)	Product code: DMTC95	Example Pesticides Ltd., [address]	150g/kg (142.5g/kg)	172.5 (163.9)	127.5 (121.1)	AI
LDPE	Grade: PPC301	Example Polymers Ltd., [address]	800g/kg	880	720	Carrier
HDPE	Grade: PD259C	Example Polymers Ltd., [address]	49g/kg	53.9	44.1	Carrier
Tris-(2,4-di- <i>tert</i> -butylphenyl)-phosphite	CAS#: 31570-04-4	Example Chemical Co., [address]	1.0g/kg	1.1	0.9	Antioxidant
			Total	1000g/kg		

A2: Malathion masterbatch

Ingredient	Grade/CAS#/other	Supplier name(s) and address(es)	Amount	Certified Limits		Purpose in formulation
				Upper	Lower	
Malathion TC 95% (equiv. malathion)	Product code: MTTC95	Example Pesticides Ltd., [address]	50g/kg (47.5g/kg)	57.5 (54.6)	42.5 (40.4)	AI
LDPE	Grade: PPC301	Example Polymers Ltd., [address]	850g/kg	935	765	Carrier
HDPE	Grade: PD259C	Example Polymers Ltd., [address]	98g/kg	107.8	88.2	Carrier
Zinc stearate	CAS#: 557-05-1	Example Chemical Co., [address]	2.0g/kg	2.2	1.8	Processing aid
			Total	1000g/kg		

A3: Filament/yarn**Denier: 150 D**

Ingredient	Grade/CAS#/other	Supplier name(s) and address(es)	Amount	Certified Limits		Purpose in formulation
				Upper	Lower	
Pyrethroid Masterbatch (equiv. deltamethrin)	Table A1	Produced in house per established QMS and formulation presented in this form.	67g/kg (9.5g/kg)	77.1 (10.9)	57 (8.1)	AI Masterbatch
Malathion Masterbatch (equiv. malathion)	Table A2	Produced in house per established QMS and formulation presented in this form.	50g/kg (2.4g/kg)	77.1 (2.8)	57.5 (2)	AI Masterbatch
HDPE	Grade: PD259F	Example Polymers Ltd., [address]	881g/kg	925.1	837	Carrier
Colour masterbatch	MB 21W3286 Yellow	Colours-R-Us, [address]	2.0g/kg	2.1	1.9	Colour
			Total	1000g/kg		

Note: The yarn consists of a single filament (monofilament yarn).

Section B: Chemical composition of the fabric

B1: Knitted fabric

Fabric weight: 40g/m²

Ingredient	Grade/CAS#/other	Supplier name(s) and address(es)	Amount by weight	Amount by area	Certified Limits	
					Upper	Lower
Filament (equiv. deltamethrin) (equiv. malathion)	Table A3	Produced in house per established QMS and formulation presented in this form.	1000g/kg	40 g/m ²	44 g/m ²	36 g/m ²
			(9.5g/kg) (2.4g/kg)	(0.38g/m ²) (0.096g/m ²)		
			Total	1000g/kg		

Previous versions

Version number	Effective dates	Reason for replacement
003	30/11/2018 to 27/4/2019	Change of HDPE grade for the filament
002	15/6/2018 to 30/11/2018	Decrease in quantity of malathion in the filament
001	30/6/2016 to 15/6/2018	Addition of antioxidant to pyrethroid masterbatch

Confidentiality

All formulation information provided on this form is considered confidential business information.

Name of authorized contact person for the manufacturer: _____

Signature of authorized contact person for the manufacturer: _____

Date: _____