



OFFICIAL LISTING

NSF International Certifies that the products appearing on this Listing conform to the requirements of NSF/ANSI Standard 51 - Food Equipment Materials

This is the Official Listing recorded on November 14, 2008.

MICROBAN PRODUCTS COMPANY
11400 VANSTORY DRIVE
HUNTERSVILLE, NC 28078
704-875-0806

Facility: SHENZHEN, CHINA

Table with 4 columns: Trade Designation, Color, Type of Food, Maximum Temperature of Use in °F. Lists Microban Concentrate for Food Zone products with various trade designations and their specifications.

- [1] Not tested by NSF for efficacy.
[2] Use of this material must be consistent with the EPA approved label - for use in cutting boards, food and condiment storage containers, gaskets, conveyor belts, countertops, ice making equipment, table tops, and trays.
[3] Maximum let down ration - 5%.
[4] Accepted for use with ethylene-vinyl acetate copolymers, polyethylene, polypropylene, or rubber articles intended for repeated use.
[5] Accepted for use with acrylonitrile/butadiene/styrene copolymer or with acrylonitrile/styrene copolymer only.
[6] Accepted for use with polystyrene and rubber-modified polystyrene.
[7] Accepted for use with polyethylene or polypropylene.

Facility: CHARLOTTE, NC

Table with 4 columns: Trade Designation, Color, Type of Food, Maximum Temperature of Use in °F. Lists Microban Acrylic Concentrates for Food Zone products with trade designations and their specifications.

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.



Microban Additive for Food Zone			
Microban Additive IB20	White	Any	450°
Microban Additive IB5	Natural	Any	N/A
Microban Concentrate for Food Zone[1] [2] [3] [20]			
Polymer Additive 1303-100N	Natural	Any	212°
Microban Delrin® Concentrate for Food Zone[1] [2] [3] [14]			
Polymer Additive 1100-100N	Natural	Acidic Dairy Dry Solids Fats Oils	100°
Microban EMAC Resin Concentrate for Food Zone[1] [2] [3] [15]			
Polymer Additive 1802-100N	Natural	Bakery Products Dairy Dry Solids Fats Oils	100°
Polymer Additive 1802MP-100N	Natural	Bakery Products Dairy Dry Solids Fats Oils	100°
Microban Plasticizer Concentrate for Food Zone[1] [16]			
Plastic Additive 8102-400N	Natural		
Microban Polyethylene Concentrates for Food Zone[1] [2] [3] [10]			
Polymer Additive 4000-100N	Natural	Any	212°
Polymer Additive 4010-100N	Natural	Any	212°
Microban Polypropylene Concentrates for Food Zone[1] [3] [11]			
Polymer Additive [2] 5000-100N	Natural	Any	212°
Polymer Additive [2] 5030-100N	Natural	Any	212°
Polymer Additive [18] IB5-5060-200N	Natural	Any	212°
Polymer Additive [19] Z01-5070-100N	Natural	Any	120°
Microban Polystyrene Concentrates for Food Zone[1] [2] [3] [12]			
Polymer Additive 2200-100N	Natural	Any	212°
Microban Styrene-Acrylonitrile Concentrates for Food Zone[1] [2] [3] [9]			
Polymer Additive 2100-100N	Natural	Any	140°

[1] Not tested by NSF for efficacy.

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.



- [2] Maximum let down ratio - 5%
- [3] Use of this material must be consistent with the EPA approved label - for use in cutting boards, food and condiment storage containers, gaskets, conveyer belts, countertops, ice making equipment, tabletops, and trays.
- [4] Maximum let down ratio - 2.5%
- [5] Maximum let down ratio - 3%
- [6] Maximum let down ratio - 2%
- [7] This material is acceptable for use with the following resin types listed on the EPA approved label: acetate, acrylic, acrylonitrile-butadiene-styrene, epoxy, fluoropolymers, latex, nitrile copolymers, nylon, polychlorophrene, polyester, polyethylene, polypropylene, polystyrene, polyvinylchloride, rayon, rubber (natural and synthetic derivatives), silicone, urethane and vinyl.
- [8] Accepted for use with polyurethane resins only.
- [9] Accepted for use with acrylonitrile/styrene copolymer only.
- [10] Accepted for use with polyethylene only.
- [11] Accepted for use with polypropylene only.
- [12] Accepted for use with polystyrene and rubber modified polystyrene only.
- [13] Accepted for use with silicone only.
- [14] Accepted for use with polyoxymethylene homopolymer only.
- [15] Accepted for use with Ethylene-methyl acrylate copolymer resin.
- [16] This material is acceptable for use in:
 - 1) Adhesives complying with 21 CFR 175.105
 - 2) Surface lubricants used in the manufacture of metallic articles complying with 21 CFR 178.3910(b).
 - 3) Side seam cements for containers complying with 21 CFR 175.300 and intended for use in contact with food types AQ-NAC, AQ-AC, AL>8% and AL<8% only.
 - 4) Closures with sealing gaskets complying with 177.1010 and intended for use in contact with food types AQ-NAC, AQ-AC, AL<8%, DY-OW, B-NO and DS only.
 - 5) Rubber articles intended for repeated use complying with 21 CFR 177.2600, where the total use level of all plasticizers and this ingredient is not to exceed 30% by weight of the rubber product.
- [17] Accepted for use with acrylic and modified acrylic plastics only.
- [18] Maximum let down ratio - 10%
- [19] Maximum let down ratio - 1%
- [20] Accepted for use with ethylene-vinyl acetate copolymers, polyethylene, polypropylene, or rubber articles intended for repeated use.

Facility: HUNTERSVILLE, NC

Trade Designation	Color	Type of Food	Maximum Temperature of Use in °F
Microban Acrylic Concentrates for Food Zone[1] [2] [3] [17]			
Polymer Additive 1000-100N	Natural	Acidic Aqueous Beverages < 8% Alcohol Dairy Products Dry Solids Oils	150°
Microban Additive for Food Zone[1]			
Microban Additive IB12	Natural	Any	500°

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.



Microban Additive IB2	[5] Natural	Acidic Aqueous Dairy Products Dry Solids Oils	100°
Microban Additive IB20	White	Any	450°
Microban Additive IB5	Natural	Any	N/A
Microban Concentrate for Food Zone[1] [2] [3] [20]			
Polymer Additive 1303-100N	Natural	Any	212°
Microban Delrin® Concentrate for Food Zone[1] [2] [3] [14]			
Polymer Additive 1100-100N	Natural	Acidic Dairy Dry Solids Fats Oils	100°
Microban EMAC Resin Concentrate for Food Zone[1] [2] [3] [15]			
Polymer Additive 1802-100N	Natural	Bakery Products Dairy Dry Solids Fats Oils	100°
Polymer Additive 1802MP-100N	Natural	Bakery Products Dairy Dry Solids Fats Oils	100°
Polymer Additive 1804-100N	Natural	Any	212°
Microban Plasticizer Concentrate for Food Zone[1] [16]			
Plastic Additive 8102-400N	Natural		
Microban Plastisol Liquid Formulation for Food Zone[1] [3] [4] [10]			
Liquid Formulation 8115-400N	Natural	Aqueous Non-Acidic	100°
Microban Polyethylene Concentrates for Food Zone[1] [2] [3] [10]			
Polymer Additive 4000-100N	Natural	Any	212°
Polymer Additive 4010-100N	Natural	Any	212°
Polymer Additive 4012-100N	Natural	Any	212°
Polymer Additive 4600-100N	Natural	Any	212°
Microban Polypropylene Concentrates for Food Zone[1] [3] [11]			
Polymer Additive [2] 5000-100N	Natural	Any	212°
Polymer Additive [2] 5010-100N	Natural	Any	212°

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.



Polymer Additive 5020-100N	[2]	Natural	Any	212°
Polymer Additive 5025-100N	[2]	Natural	Any	212°
Polymer Additive 5030-100N	[2]	Natural	Any	212°
Polymer Additive IB5-5060-200N	[18]	Natural	Any	212°
Polymer Additive Z01-5070-100N	[19]	Natural	Any	120°
Microban Polystyrene Concentrate for Food Zone[1] [2] [3] [12]				
Polymer Additive 2200-100N		Natural	Any	212°
Microban Polyurethane Concentrates for Food Zone[1] [2] [3] [8]				
Polymer Additive 1601-100N		Natural	Dry Solids	100°
Microban Silicone Paste Formulation for Food Zone[1] [3] [4] [13]				
Polymer Additive 0102-400N		Natural	Any	212°
Microban Styrene-Acrylonitrile Conctr. for Food Zone[1] [2] [3] [9]				
Polymer Additive 2100-100N		Natural	Any	140°
Microban Talc Concentrates for Food Zone[1] [3] [6] [7]				
Polymer Additive 0220-473N		Natural	Any	212°

[1] Not tested by NSF for efficacy.

[2] Maximum let down ratio - 5%

[3] Use of this material must be consistent with the EPA approved label - for use in cutting boards, food and condiment storage containers, gaskets, conveyer belts, countertops, ice making equipment, tabletops, and trays.

[4] Maximum let down ratio - 2.5%

[5] Maximum let down ratio - 3%

[6] Maximum let down ratio - 2%

[7] This material is acceptable for use with the following resin types listed on the EPA approved label: acetate, acrylic, acrylonitrile-butadiene-styrene, epoxy, fluoropolymers, latex, nitrile copolymers, nylon, polychlorophrene, polyester, polyethylene, polypropylene, polystyrene, polyvinylchloride, rayon, rubber (natural and synthetic derivatives), silicone, urethane and vinyl.

[8] Accepted for use with polyurethane resins only.

[9] Accepted for use with acrylonitrile/styrene copolymer only.

[10] Accepted for use with polyethylene only.

[11] Accepted for use with polypropylene only.

[12] Accepted for use with polystyrene and rubber modified polystyrene only.

[13] Accepted for use with silicone only.

[14] Accepted for use with polyoxymethylene homopolymer only.

[15] Accepted for use with ethylene-methyl acrylate copolymer resin.

[16] This material is acceptable for use in:

1) Adhesives complying with 21 CFR 175.105

2) Surface lubricants used in the manufacture of metallic articles complying with 21 CFR 178.3910(b).

3) Side seam cements for containers complying with 21 CFR 175.300 and intended for use in contact with food types AQ-NAC, AQ-AC, AL>8% and AL<8% only.

4) Closures with sealing gaskets complying with 177.1010 and intended for use in contact with food types AQ-NAC, AQ-AC, AL<8%, DY-OW, B-NO and DS only.

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.



- 5) Rubber articles intended for repeated use complying with 21 CFR 177.2600, where the total use level of all plasticizers and this ingredient is not to exceed 30% by weight of the rubber product.
- [17] Accepted for use with acrylic and modified acrylic plastics only.
- [18] Maximum let down ratio - 10%
- [19] Maximum let down ratio - 1%
- [20] Accepted for use with ethylene-vinyl acetate, polyethylene, polypropylene, or rubber articles intended for repeated use.

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.