



*ISO 9001 Registered
RC 14001 Registered*

Hyperform® HPN-68L Regulatory Information Document

International Chemical Substance Approvals

All the components of Hyperform HPN-68L are listed on the chemical inventory in the following countries:

- United States (TSCA)
- Europe* (ELINCS)
- Korea (ECL)
- Canada (DSL)
- New Zealand (NZIoC)
- Australia (AICS)
- China (IECSC)
- Japan

*REACH Registration Status - Only substances included on EINECS can be pre-registered. Since the nucleator component in **Hyperform® HPN-68L** is listed on ELINCS it is not eligible for pre-registration, but will be automatically transferred to the REACH list at some point in the future. Other components in this product have been pre-registered by Milliken Europe as Milliken Chemical's OR.

International Approvals For Use in Plastics for Food Contact Applications

- United States: All components are compliant with the United States Food and Drug Administration (FDA): Food Contact Substance Notification for the use of Hyperform HPN-68L as a nucleating agent, at a maximum level of 0.31 weight percent in polypropylene and high density polyethylene polymers in contact with all food types, under Conditions of Use A through H, as described in Table 2 of 21CFR 176.170, and at a maximum level of 0.31 weight percent in linear low density polyethylene polymers in contact with all food types, under Conditions of Use B through H, as described in Table 2 of 21CFR 176.170.
- Europe: Food Contact Materials Directive 2002/72/EC. The components of Hyperform® HPN-68L are on the list of authorized additives for use in food contact polymers. The authorization reference numbers are listed below

Component	Reference Number
Hyperform® HPN-68	38505
Euracamide	52720
Silicon Dioxide	86240



- Canada: “Letter of no Objection” received from the Health Products and Food Branch (HPFB) of Health Canada when Hyperform® HPN-68 is used as a nucleating agent at a level not to exceed 0.25% by weight in polypropylene (PP) and high density polyethylene (HDPE) polymers in contact with all food types under conditions as high as high temperature heat-sterilized (e.g., over 250°F), and in linear low density polyethylene (LLDPE) polymers in contact with all food types under conditions as severe as boiling water sterilized.
- Japan: JHOSPA Positive List Approval. PLC is {B} NM-5053.
- MERCOSUR: Food Contact Positive List – listed on Positive list with SML of 5 mg/kg. This product cannot be used for polyethylene applications with acidic food.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

Although we have not analyzed for every chemical included on the California Safe Drinking Water and Toxic Enforcement Act Proposition 65 list, based upon a review of our process for the manufacture of this product, there should be no Proposition 65 listed chemicals present at regulated quantities in this product.

Product Origin / Kosher Status

Although not Kosher, no animal products are used in the manufacturing of Hyperform® HPN-68L or in the manufacturing process of this product.

Heavy Metal Content

Chemical	Detection limit	Quantity	Chemical	Detection limit	Quantity
Arsenic	5.0 ppm	<5.0 ppm	Lead	4.0 ppm	<4.0 ppm
Barium	1.0 ppm	<1.0 ppm	Mercury	0.2 ppm	<0.2 ppm
Cadmium	0.6 ppm	<0.6 ppm	Nickel	1.0 ppm	<1.0 ppm
Chromium	0.6 ppm	<0.6 ppm	Selenium	5.0 ppm	<5.0 ppm

CONEG

This product is in full compliance with the CONEG (Congress of Northeastern Governors) Model legislation addressing the elimination of heavy metals in packaging and packaging components.

Specifically, Milliken Chemical Certifies that:



- A. Hyperform® HPN-68L contains no lead, cadmium, mercury or hexavalent chromium which has been intentionally introduced as an element during manufacture or distribution, and
- B. The sum of the concentration levels of lead, cadmium, mercury and hexavalent chromium incidentally present in these products shall not exceed 100 parts per million by weight.

Hazardous Materials

- Hyperform® HPN-68L does not contain any Class i or Class ii ozone depleting substances as defined by the Clean Air Act.
- Hyperform® HPN-68L is not manufactured with BPA.
- Hyperform® HPN-68L does not contain any Volatile Organic Compounds (VOCs)
- Hyperform® HPN-68L is not classified as hazardous as defined by the Globally Harmonized System for Hazard Communication.

Allergens

Hyperform® HPN-68L does not contain any of the following known food allergens or others:

Peanuts, Milk, Fish, Tree Nuts, Soy Beans, Eggs, Shellfish, Wheat, or Natural Latex

Other Regulatory Compliance

Genetically modified organisms (GMOs) are not used in the manufacture of Hyperform® HPN-68L

Hyperform® HPN-68L does not contain materials of plant origin

Harmonized Tariff Code

2917.20.0000

NOTE: This document is intended solely for Milliken Chemical use in documenting Hyperform HPN-68L regulatory approvals. No warranties as to accuracy or completeness are implied.

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