

# DuPont™ Taptec™ HCRSS Na Ion Exchange Resin

## USA FDA – Food Additive Status

This product complies with the U.S. Food and Drug Administration's Food Additive Regulation 21 CFR § 173.25(a)(1).

Use of this product is subject to good manufacturing practices and any limitations which are part of the regulations. The regulations should be consulted for complete details.

## European Union – Food Contact Status

### We hereby confirm that this product:

- Is a synthetic ion exchange resin.
- Complies to the EU regulation No 1935/2004 of the European parliament and of the council of 27 Oct 2004 on materials and articles intended to come into contact with food.
- Is manufactured in accordance with the recommendations of the Council of Europe Resolution RESAP(2004)3 on ion exchange and adsorbent resins used in the processing of foodstuffs:
  - All substances used in the manufacture of the resin are listed in the "Technical Document N°1" (List of substances to be used in the manufacture of ion exchange and adsorbent resins used in the processing of foodstuffs) of the Council of Europe Resolution RESAP(2004)3 and RESAP(92)22
  - Is manufactured in accordance with a certified Quality Assurance System
  - Is manufactured in accordance with EU regulation No 2023/2006 on good manufacturing practice for materials and articles intended to come in contact with food

### The following limitations apply under Resolution RESAP(2004)3:

- The resin should be made ready for use so that, when tested according to NF T90-601, the TOC decreases from 1st to 5th BV and the TOC in the 5th BV does not exceed 1 mg/L.
- The treated liquor should be filtered to remove fine particles and its organoleptic properties should not be altered.

1. Council of Europe Resolution RESAP(2004)3 on ion exchange and adsorbent resins used in the processing of foodstuffs replaced the former Council of Europe Resolution AP(97)1.  
2. Council of Europe Resolution RESAP(92)2 on control of aids to polymerization for plastics materials and articles intended to come into contact with foodstuffs.

## Hazard Analysis Critical Control Points (HACCP)

This product is manufactured utilizing a rigorous quality management system that includes the appropriate level of GMP for this product allowed applications. We do not have a formal HACCP program in place for the manufacture of this product.

## Pretreatment

This resin must be made ready before first use. Pre-treatment recommendations are available on the DuPont website or can be provided upon request by your sales or technical representative.

## Allergen Status

This product has been evaluated for the source of the raw materials used in its production. Based on this evaluation:

- The production process does not use any raw materials, including additives, that are listed as allergens according to EU Directive 1169/2011/EC, FALCPA (Food Allergen Labelling and consumer Protection Act of 2004, FASTER (Food Allergy Safety, Treatment, Education, and Research Act of 2021) & Food Labelling (Declaration of Allergens) (England) Regulations 2008 No.1188 and their amendments that have their origin in cereals containing gluten, crustaceans, eggs, fish, peanuts, soybeans, milk, nuts, celery, mustard, sesame, molluscs, shellfish, wheat and/or lupin. Nor does the product contain sulphur dioxide or sulphites at concentrations of more than 10 mg/kg as SO<sub>2</sub>.
- This production process does not use any raw materials, including additives, used that are listed as allergen according to Food Labeling System (2015) based on Japan Food Sanitation Act. Within Japan Food sanitation Act, the Ministry of Health, Labour and Welfare has designated "Specified ingredients" as ingredients containing allergens. Specified ingredients include 28 items: shrimp, crab, wheat, buckwheat, eggs, dairy products, peanuts, almond, abalone, squid, salmon roe, oranges, cashew nut, kiwifruit, beef, walnuts, sesame, salmon, mackerel, soybeans, chicken, bananas, pork, matsutake mushrooms, peaches, yams, apples, gelatin.

Based on this evaluation of the raw materials and their sources, this product is expected to be free of the above-mentioned allergy stimulating substances. However, this product has not been tested for these substances.

## Bovine Spongiform Encephalopathy (BSE)/Transmissible Spongiform Encephalopathy (TSE)

This resin is not manufactured using materials that are derived from animal sources. Bovine Spongiform Encephalopathy (BSE)/Transmissible Spongiform Encephalopathy (TSE) should not be a concern.

## Declaration of Material Origin

This product is of synthetic origin. None of the raw materials used in the production are of animal, human, vegetal, or microbiological origin.

## Genetically Modified Organisms (GMO)

This product is synthetic in origin. None of the raw materials used in the production are from Genetically Modified Organisms (GMO).

## Substances at Nanoscale

The ion exchange resins, as produced by DuPont do not intentionally contain Nanomaterials – including aggregates and agglomerates - and are not engineered to be a Nanomaterial.

## Dual Use Status

Based on the dual use review performed for this product, we concluded that this product is not listed as dual use product, according to Regulation (EC) 2021/821 and/or most updated Annex.

We believe this information to be reliable as of the date of this statement.

## EU Directive 2011/65, amended by EU Directive 2015/863 - Restriction of Hazardous Substances (RoHS)

The RoHS Directives 2011/65/EC and 2015/863/EC contains restrictions on the following materials in electric and electronic equipment: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), bis(2-Ethylhexyl) phthalate (DEHP), benzyl butyl phthalate (BBP), dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP).

While the RoHS Directives refer to electric and electronic equipment and not specific to ion exchange resins, based on raw material review, none of the restricted substances are intentionally added to this product.

## CE Mark

The CE mark is a declaration by the manufacturer that the product meets all the appropriate provisions of the relevant legislations implementing certain European Directives. The CE mark must be affixed to a product if it falls under the scope of the relevant directives.

DuPont™ Ion Exchange and Adsorbent Resins are not in the scope of CE marking.

## Irradiation

Irradiation is not part of the manufacturing process for this product.

## Heavy Metals

The product has been reviewed against the requirements regarding heavy metals listed in the following French decree:

“Décret no 2011-509 du 10 mai 2011 fixant les conditions d’autorisation et d’utilisation des auxiliaires technologiques pouvant être employés dans la fabrication des denrées destinées à l’alimentation humaine”

“Decree No. 2011-509 of 10 May 2011 laying down the conditions for the authorization and use of processing aids which may be used in the manufacture of foodstuffs intended for human nutrition”

The maximum allowable heavy metal concentrations are:

- Lead: not more than 5 mg / kg
- Arsenic: not more than 1 mg / kg
- Mercury: not more than 1 mg / kg
- Cadmium: not more than 1 mg / kg

We confirm that these heavy metals are not intentionally added to the listed product. The product complies with the heavy metal requirements of the French decree 2011-509.

## Composition and Trace Analysis

For information on the components of our products and their concentrations, please refer to the Safety Data Sheet (SDS) and the Sales Specification. Hazardous constituents will be listed in the Composition Section of the SDS for these products if present at levels of 1% or above (by weight), or at any lower levels as required by applicable governmental requirements (including but not limited to carcinogens, mutagens, reproductive toxicants and sensitizers). In addition, consult the Hazardous Decomposition Products section of the SDS and the Sales Specification for further information.

The chemical materials listed below are not intentionally used in the manufacture of this product. However, this product has not been tested for these chemical materials:

- Melamine
- Cyanuric Acid
- Ammelide
- Ammeline
- Aflatoxins
- Fungi
- Mycoplasma
- Biocides
- Bisphenol A
- Ethylene Oxide
- Nitrites or its derivatives
- Palm Oil or its derivatives
- Partially Hydrogenated Oils
- Dioxins
- PCB's
- Pesticides
- Phthalates
- Silicone
- Polytetrafluorethylene (PTFE)
- Natural Rubber
- Natural Latex
- Alklyating Agents e.g. Alkyl halides and sulphonates, sulphinates and sulphates
- Epoxides (and precursors)
- Aromatic nitro
- N-Nitroso
- Aromatic Azo
- Hydroperoxide
- Hydrazines
- Aziridines (and precursors)
- Primary Anilines
- Mesilate esters or alkyl mesilates e.g. methanesulphonic acid methyl esters and methanesulphonic acid ethyl esters, methanesulphonic acid
- Alkyl or aryl sulphonic ester contaminations e.g. (di)isetonates, besilates (benzenesulphonic acid esters) and tosيلات (toluene-p-sulphonic acid esters).

## Nitrosamines

Nitrosamines and amines (either primary, secondary or tertiary) are not intentionally added to this product. However, this product has not been tested for these substances.

We appreciate and value your business as we continue our commitment to provide high-quality products and service to our customers.

**For further information, please consult your local DuPont representative or contact us via our website at <https://www.dupont.com/water/contact-us>.**



Uma Kale

DuPont Water Solutions Global Product Steward

This document is valid until June 2024 unless earlier superseded by an updated version released on <https://www.dupont.com/resource-center.html?BU=water> or available upon request.

### Have a question? Contact us at:

[www.dupont.com/water/contact-us](https://www.dupont.com/water/contact-us)

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