

Regulatory Data Sheet

GRADES:

- Alkadyne[®] - HDF145B, HDF193B, HDF193N and HCR193B.

- Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

This product is not manufactured or formulated so as to intentionally include notifiable levels of any of the Substances of Very High Concern (SVHC) as per the candidate list that was current as of the effective date of this Regulatory Data Sheet. For further information regarding REACH please contact your primary Qenos representative.

- Adipates

Adipates, including those listed below, are not intentionally used, or added, in the formulation or manufacture of any Qenos polyethylene grades. Qenos also has in place quality assurance systems to ensure, as far as reasonably practical, that such substances are not inadvertently added. However, we do not routinely test for these substances.

- Bis(2-ethylhexyl) adipate (DEHA) (CAS number 103-23-1)
- Dibutyl adipate (CAS number 105-99-7)
- Diethyl adipate (CAS number 141-28-6)
- Ethyl hydrogen adipate (CAS number 626-86-8)
- Dioctyl adipate (DOA) (CAS number 123-79-5)
- Dimethyl adipate (CAS number 627-93-0)

- Allergens

The following substances are not intentionally used, or added, in the formulation or manufacture of any Qenos polyethylene grades. Qenos also has in place quality assurance systems to ensure, as far as reasonably practical, that such substances are not inadvertently added. However, we do not routinely test for these substances.

- Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof
- Crustaceans and products thereof
- Eggs and products thereof
- Fish and products thereof
- Peanuts and products thereof
- Soybeans and products thereof
- Milk and products thereof (including lactose)
- Tree nuts and products thereof
- Celery
- Mustard
- Sesame seeds and products thereof
- Sulphur dioxide and sulphites

- Bisphenol A (BPA) and Bisphenol S (BPS)

Bisphenol A (CAS number 80-05-7) and Bisphenol S (CAS number 80-09-1) are not intentionally used, or added, in the formulation or manufacture of any Qenos polyethylene grades. Qenos also has in place quality assurance systems to ensure, as far as reasonably practical, that such substances are not inadvertently added. However, we do not routinely test for these substances.

- Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE)

Qenos confirms that all raw materials and additives used in the manufacture and formulation of this product, to the best of our knowledge, have been derived only from inorganic, synthetic and / or vegetable based feedstock.

- Butylated hydroxytoluene (BHT)

Butylated hydroxytoluene (CAS number 128-37-0) is not intentionally added in the formulation or manufacture of any Qenos polyethylene grades. However, we do not routinely test for this substance.

- Conflict minerals

Tin (CAS number 7440-31-5), tantalum (CAS number 7440-25-7), tungsten (CAS number 7440-33-7), gold (CAS number 7440-57-5), columbite-tantalite (coltan), cassiterite and wolframite (CAS number 1332-08-7) are not intentionally added in the formulation or manufacture of any Qenos polyethylene grades. Qenos also has in place quality assurance systems to ensure, as far as reasonably practical, that such substances are not inadvertently added. However, we do not routinely test for these substances.

- HACCP

Qenos produces polyethylene which is subsequently converted by its customers into a variety of products, including food packaging applications. As Qenos is not a direct manufacturer of food contact packaging, Qenos does not operate a certified HACCP system. Qenos' manufacturing practices in relation to polyethylene intended for food contact applications are designed to comply with the requirements of Standard 1.1.1-10 (subsections 10 & 11) of the FSANZ Food Standards Code "Requirements relating to food for sale – Packaging requirements" and AS 2070-1999 "Plastics Materials for food contact use". Qenos has a documented food contact management policy and food contact compliance committee, which stewards its obligations against AS 2070-1999 and other related food contact requirements. Qenos will assist customers in relation to HACCP enquiries by providing support of customer audits of its food contact and product quality management systems.

- Heavy metals, polybrominated biphenyls, polybrominated diphenyl ethers and polychlorinated biphenyls

This product is not manufactured or formulated so as to intentionally include notifiable levels of lead (CAS number 7439-92-1), mercury (CAS number 7439-97-6), cadmium (CAS number 7440-43-9), hexavalent chromium (CAS number 18540-29-9), polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE) and polychlorinated biphenyls (PCB). Qenos also has in place quality assurance systems to ensure, as far as reasonably practical, that such substances are not inadvertently added. However, we do not routinely test for these substances.

- Melamine

Melamine (CAS number 108-78-1) is not intentionally used, or added, in the formulation or manufacture of any Qenos polyethylene grades. Qenos also has in place quality assurance systems to ensure, as far as reasonably practical, that this substance is not inadvertently added. However, we do not routinely test for this substance.

- Natural Rubber or Latex

Natural rubber or latex (CAS number 9006-04-6) is not intentionally used, or added, in the formulation or manufacture of any Qenos polyethylene grades. Qenos also has in place quality assurance systems to ensure, as far as reasonably practical, that such substances are not inadvertently added. However, we do not routinely test for these substances.

- 4-nonylphenol (4NP) and Tris(nonylphenyl) phosphite (TNPP)

4-nonylphenol (4NP) (CAS number 25154-52-3) and Tris(nonylphenyl) phosphite (TNPP) (CAS number 26523-78-4) are not intentionally used, or added, in the formulation or manufacture of any Qenos polyethylene grades. Qenos also has in place quality assurance systems to ensure, as far as reasonably practical, that such substances are not inadvertently added. However, we do not routinely test for these substances.

- Phthalates

Phthalates, including those listed below, are not intentionally used, or added, in the formulation or manufacture of any Qenos polyethylene grades. Qenos also has in place quality assurance systems to ensure, as far as reasonably practical, that such substances are not inadvertently added. However, we do not routinely test for these substances.

- Di-2-ethylhexyl phthalate (DEHP) (CAS number 117-81-7)
- Di-n-octyl phthalate (DNOP) (CAS number 117-84-0)
- Benzyl butyl phthalate (BBP) (CAS number 85-68-7)
- Diisodecyl phthalate (DIDP) (CAS number 26761-40-0)
- Diisobutyl phthalate (DIBP) (CAS number 84-69-5)
- Diisononyl phthalate (DINP) (CAS number 28553-12-0 / 68515-48-0)

- Diethyl phthalate (DEP) (CAS number 84-66-2)
- Dibutyl phthalate (DBP) (CAS number 84-74-2)
- Dimethoxyethyl phthalate (DMEP) (CAS number 117-82-8)
- Bis(2-butoxyethyl) phthalate (BBEP) (CAS number 117-83-9)
- Diisohexyl phthalate (CAS number 71850-09-4)
- Dipentyl phthalate (CAS number 131-18-0)
- Dihexyl phthalate (DHP) (CAS number 84-75-3)
- Dinonyl phthalate (DNP) (CAS number 84-76-4)
- Diphenyl phthalate (CAS number 84-62-8)
- Dimethyl phthalate (DMP) (CAS number 131-11-3)
- Dicyclohexyl phthalate (DCHP) (CAS number 84-61-7)
- Dipropyl phthalate (CAS number 131-16-8)
- Diisooctyl phthalate (DIOP) (CAS number 27554-26-3)
- Dimethylcyclohexyl phthalate (DMCHP) (CAS number 1322-94-7)
- Diallyl phthalate (CAS number 131-17-9)

In using Qenos Pty Ltd's products, you must establish for yourself the most suitable formulation, production method and control tests, to ensure the uniformity and quality of your product in compliance with all laws. You should ensure that you have conducted your own investigations before making any representations as to your product's compliance with any regulatory standards. No warranty is given in relation to the information contained in this document.