

## Regulatory Data Sheet

**GRADES:**

- Alkadyne<sup>®</sup> - HDF193B 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.

- Degradable additives

For the purpose of this data sheet, degradable additives are defined as additives used to intentionally accelerate the fragmentation of plastic material into smaller pieces. The degradation is often triggered by ultraviolet radiation or heat exposure. Degradable additives, including oxo-degradable additives, are not intentionally used, or added, in the formulation or manufacture of these 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.

- Heavy metals and Restriction of Hazardous Substances (RoHS)

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), di-2-ethylhexyl phthalate (DEHP, CAS number 117-81-7), benzyl butyl phthalate (BBP, CAS number 85-68-7), dibutyl phthalate (DBP, CAS number 84-74-2) and diisobutyl phthalate (DIBP, CAS number 84-69-5). 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.

<b>Phthalate</b>	<b>CAS No.</b>
Di-2-ethylhexyl phthalate (DEHP)	117-81-7
Di-n-octyl phthalate (DNOP)	117-84-0
Benzyl butyl phthalate (BBP)	85-68-7
Diisodecyl phthalate (DIDP)	26761-40-0 / 68515-49-1
Diisobutyl phthalate (DIBP)	84-69-5
Diisononyl phthalate (DINP)	28553-12-0 / 68515-48-0
Diethyl phthalate (DEP)	84-66-2
Dibutyl phthalate (DBP)	84-74-2
Dimethoxyethyl phthalate (DMEP)	117-82-8
Bis(2-butoxyethyl) phthalate (BBEP)	117-83-9
Diisohexyl phthalate	71850-09-4 / 146-50-9
Dipentyl phthalate	131-18-0
Dihexyl phthalate (DHP)	84-75-3
Dinonyl phthalate (DNP)	84-76-4
Diphenyl phthalate	84-62-8
Dimethyl phthalate (DMP)	131-11-3
Dicyclohexyl phthalate (DCHP)	84-61-7
Dipropyl phthalate	131-16-8
Diisooctyl phthalate (DIOP)	27554-26-3
Dimethylcyclohexyl phthalate (DMCHP)	27987-25-3
Diallyl phthalate	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.