

---

---

**Product: HDI0653U1**

---

---

### High-Density Polyethylene

For purposes of this document, every reference to Braskem shall mean **Braskem Idesa, S.A.P.I.**

## SECTION I - FOOD CONTACT COMPLIANCE

Reviewed on 05 January, 2022

### **FOOD CONTACT: EUROPE**

This product meets the applicable requirements for intermediate materials (e.g. plastic powders, plastic granules or plastic flakes) intended to come into contact with food listed in **EU Regulation 1935/2004** (Framework Regulation). In addition, this product is manufactured under the relevant requirements of good manufacturing practices (GMP) applicable to intermediate materials established by **EU Regulation No 2023/2006** (GMP Regulation). Finally, this product complies with relevant requirements in **EU Regulation 10/2011 and all amendments up to EU Regulation 2020/1245** (Plastics Regulation) for intermediate materials.

All monomers and additives used in this product are listed in the Union List of Authorized Substances of aforesaid Regulation. This product contains substances which have either Specific Migration Limit (SML) and/or Total Specific Migration Limit (SML(T)) and/or QM (residual quantity) and/or a QMA (residual content per food contact surface area) as defined in **Tables 1-3 of Annex I of EC 10/2011**.

#### **Dual Use Additives**

This product contains chemical substances listed on **Regulation (EC) 10/2011**: plastic materials and articles intended to come into contact with food as well as on **Regulation (EC) No 1333/2008**: Food Additives and/or **Regulation (EU) No 1334/2008**: Flavourings and certain food ingredients with flavouring properties for use in and on foods, and therefore are considered dual use additives.

#### **Food Type Restrictions**

This product can be used in contact with all food types and has no restrictions for the temperature and time of contact during processing and/or storage.

## Product: HDI0653U1

In order to complete the food contact compliance according to this Regulation, the final finished food contact article must be analyzed by the final article manufacturer to comply with maximum usage level, SML and/or SML(T) and/or QM and/or QMA as well as the overall migration (OML) (less than 10 mg/dm<sup>2</sup>). The manufacturer also needs to comply with any other restrictions or specifications of the aforementioned substances.

It's the responsibility of the final food contact article manufacturer to determine the technical suitability of this product and the intended use.

### **FOOD CONTACT: UNITED STATES (FDA - Food and Drug Administration)**

This product meets the requirements of US FDA Regulation 21 CFR 177.1520(c), item 3.2a, for the safe use of olefin polymers in articles or components of articles intended for food contact. The adjuvant substances in this product meet the requirements of 21 CFR 177.1520(b).

It satisfies requirements for all Food Types and Conditions of Use D-G as described in Tables 1 and 2, respectively, found on the FDA website at:

<https://www.fda.gov/food/packaging-food-contact-substances-fcs/food-types-conditions-use-food-contact-substances>

**For use with fatty foods (Types III, IV-A, V, VII-A, IX) the finished polymers must have a minimum container size of 2 gallons (7.6 liters).**

The uses cited above are subject to good manufacturing practices and any limitations which are part of the applicable regulations. The regulation should be consulted for complete details.

## SECTION II - GLOBAL REGULATORY INFORMATION

Reviewed on 05 January, 2022

### **CHEMICAL INVENTORIES**

The polymer (and/or its monomers and co-monomers) and additives used in this product are used in compliance with the following chemical inventories:

Chemical Inventories		
Country	Inventory Name	Listed

## Product: HDI0653U1

Australia	AICS	YES
Canada	DSL	YES
	NDSL	NO
China	IECSC	YES
Europe	EINECS	YES
	ELINECS	NO
	NLP	NO
Japan	ENCS	YES
	ISHL	NO
Korea	KECI	YES
New Zealand	NZIoC	YES
Philippines	PICCS	NO
Taiwan	TCSI	YES
USA	TSCA	YES

Foreign purchasers or exporters of this product should consult the appropriate local governing authority to verify that there are not regulatory requirements that would prohibit or restrict the import of this product into the applicable country.

### **PLANT-DERIVED SUBSTANCES**

This product contains additives and/or monomers derived from plants and/or its parts.

### **ALLERGENS**

The allergens listed on Annex II of Regulation (EU) No 1169/2011 and below are not intentionally added in this product:

---

---

**Product: HDI0653U1**

---

---

1. Cereals containing gluten, namely: wheat, rye, barley, oats, spelt, kamut or their hybridized strains, and products thereof
2. Crustaceans and products thereof
3. Eggs and products thereof
4. Fish and products thereof
5. Peanuts and products thereof
6. Soybeans and products thereof
7. Milk and products thereof (including lactose)
8. Nuts, namely: almonds (*Amygdalus communis L.*), hazelnuts (*Corylus avellana*), walnuts (*Juglans regia*), cashews (*Anacardium occidentale*), pecan nuts (*Carya illinoensis (Wangenh.) K. Koch*), Brazil nuts (*Bertholletia excelsa*), pistachio nuts (*Pistacia vera*), macadamia or Queensland nuts (*Macadamia ternifolia*), and products thereof
9. Celery and products thereof
10. Mustard and products thereof
11. Sesame seeds and products thereof
12. Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/L
13. Lupin and products thereof
14. Mollusks and products thereof

**ANIMAL-DERIVED SUBSTANCES**

Additives derived from animal sources are not intentionally added in this product.

**CHILDRENS SAFETY****Toys - European Legislation**

This product was not assessed under Directive 2009/48/EC – Safety of Toys.

This product has not been tested and assessed according to the European Standard **EN 71-3:2019** - Requirements and test methods for the migration of aluminum, antimony, arsenic, barium, boron, cadmium,

---

---

### Product: HDI0653U1

---

---

chromium (III), chromium (VI), cobalt, copper, lead, manganese, mercury, nickel, selenium, strontium, tin, organic tin and zinc from toy materials and from parts of toys.

Braskem does not intentionally add in this product the chemical substances listed in EN71-9, Tables 2D, 2E and 2I: Migration or content of certain hazardous organic chemical compounds from/in certain toys and toy materials.

This product, as manufactured and distributed by Braskem, is not a children's product, children's toy, child care article, or consumer product. For that reason, it remains to the final manufacturer to ensure the suitability of this product for toys or other children's articles.

#### **NSF INTERNATIONAL CERTIFICATION**

At this time Braskem holds no NSF certifications for this product.

#### **UL CERTIFICATION**

At this time Braskem holds no UL certifications for this product.

#### **KOSHER CERTIFICATION**

There is no Kosher certification claimed for this product.

#### **HALAL CERTIFICATION**

This product is not certified according to the Islamic Purity Requirements (HALAL).

#### **EU REACH - Registration, Evaluation, Authorization and Restriction of Chemicals**

This product is not intentionally manufactured or formulated with any substance listed on the following REACH sections:

- ANNEX XIV - List of Substances Subject to Authorization of Regulation (EC) No 1907/2006 of the European Parliament And of the Council from 18 December 2006, and its amendments.

## Product: HDI0653U1

- ANNEX XVII –Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Mixtures and Articles of Regulation (EC) No 1907/2006 of the European Parliament And of the Council from 18 December 2006, and its amendments.
- Candidate List of Substances of Very High Concern (SVHC), in compliance with the most updated review disclosed on the SVHC Declaration, offered at <http://www.braskemidesa.com.mx/idesa/reach>

### **CONFLICT MINERALS: Regulation 2017/821 (EU); US Dodd–Frank Consumer Protection Act**

Braskem does not purchase raw materials from areas of conflict such as Democratic Republic of the Congo or adjoining country. In addition, Braskem products are not intentionally produced with cassiterite (for tin), wolframite (for tungsten), coltan (for tantalum), and gold.

### **CALIFORNIA PROPOSITION 65**

According to California Proposition 65, updated on December 31st, 2021, this product may contain trace levels (< 0.2 %) of California Proposition 65 listed substance(s). For further information, please contact Braskem Idesa at [product.safety@braskem.com](mailto:product.safety@braskem.com)

### **PHTHALATES**

This product is produced using non-phthalate technology. Therefore, the following list of phthalate substances are not intentionally added in the manufacture of this product:

Chemical Name	CAS #	Chemical Name	CAS #
Butyl benzyl phthalate (BBP)	85-68-7	Dimethyl terephthalate (DMT)	120-61-6
Di-iso-decyl phthalate (DIDP)	26761-40-0	Dimethyl phthalate (DMP)	131-11-3
Di-n-hexyl phthalate (DnHP)	84-75-3	Bis(2-methoxyethyl) phthalate	117-82-8
Diheptyl phthalate (DHP)	3648-21-3; 68515-44-6	N-pentyl-isopentylphthalate	776297-69-9
Dipentyl phthalate	131-18-0	Di-isobutyl phthalate (DIBP)	84-69-5
Di-isononyl phthalate (DINP)	28553-12-0	Diethyl phthalate (DEP)	84-66-2
Di-n-octyl phthalate (DnOP)	117-84-0	Dibutyl phthalate (DBP)	84-74-2
Dipropyl phthalate	131-16-8	Di(2-ethylhexyl)phthalate (DEHP)	117-81-7

## Product: HDI0653U1

Isobutyl ethyl phthalate	94491-96-0		
--------------------------	------------	--	--

Braskem does not routinely test for these substances.

### **PLASTICIZERS**

Plasticizers such as sebacates, adipates, terephthalates, dibenzoates, glutarates, azelates, epoxidized soybean oil (ESBO) are not intentionally added to this product.

For the presence of phthalates in this product, please see the PHTHALATE declaration in this RIS.

### **RESTRICTION OF HAZARDOUS SUBSTANCES - RoHS**

This product complies with the standards established by Directive 2002/95/EC (RoHS 1), Directive 2011/65/EU (RoHS 2) as amended by Directive 2017/2102/EU and Directive 2019/1846/EU and Directive 2015/863/EU (RoHS 3). This product does not contain/contains less than the maximum levels of the following restricted substances:

- Lead (Pb): < 1000 ppm
- Mercury (Hg): < 100 ppm
- Cadmium (Cd): < 100 ppm
- Hexavalent Chromium: (Cr VI) < 1000 ppm
- Polybrominated Biphenyls (PBB): < 1000 ppm
- Polybrominated Diphenyl Ethers (PBDE): < 1000 ppm
- Bis(2-Ethylhexyl) phthalate (DEHP): < 1000 ppm
- Benzyl butyl phthalate (BBP): < 1000 ppm
- Dibutyl phthalate (DBP): < 1000 ppm
- Diisobutyl phthalate (DIBP): < 1000 ppm

### **BISPHENOLS**

This product is not manufactured or formulated with the following bisphenol compounds:

Bisphenol sub type	CAS number
Bisphenol A, BPA	80-05-7
Bisphenol B, BPB	77-40-7
Bisphenol F, BPF	620-92-8

## Product: HDI0653U1

Bisphenol S, BPS	80-09-1
Bisphenol-F-diglycidyl ether, BFDGE	2095-03-6
Bisphenol-A-diglycidyl ether, BADGE	1675-54-3
Novolac Glycidyl Ethers, NOGE	158163-01-0
Tetrabromobisphenol-A	79-94-7

As these substances are not intentionally added, Braskem does not test for these substances in our products.

**Regulation EC 1895/2005** - on the restriction of use of certain epoxy derivatives in materials and articles intended to come into contact with food: Braskem does not intentionally add BFDGE, BADGE and NOGE in the composition of its products.

### DYES OR PIGMENTS

This product is not manufactured or formulated with carbon black, dyes, inks or pigments, including azocolorants and azodyes.

### LATEX

Natural rubber latex (NRL), dry natural rubber (DRL), synthetic latex or rubber that contains natural rubber are not intentionally added to the process or to this product.

As these substances are not intentionally added, Braskem does not test for these substances.

### ALKYLPHENOLS & ALKYLPHENOL ETHOXYLATES

Braskem does not intentionally add alkylphenol ethoxylates to this product, including Nonylphenol ethoxylates and Octylphenol ethoxylates.

Braskem also does not add the following simple substituted phenols to this product:

- Nonylphenol (CAS # 25154-52-3)
- Tris(nonylphenyl)phosphite (TNPP, CAS # 26523-78-4)
- Di(nonylphenyl)phenylphosphite (DNPP, CAS # 25417-08-7)



## Product: HDI0653U1

Polypropylene and polyethylene manufacturers, including Braskem, do add complicated phenolic materials as antioxidants to their products, which are technically alkyl phenols. Accordingly, these antioxidants are approved as indirect food contact additives and are used by Braskem in accordance with global food contact regulations.

### POLYCYCLIC AROMATIC HYDROCARBONS (PAH)

Braskem does not intentionally add or use any of the following Polycyclic Aromatic Hydrocarbons (PAH) during the manufacturing of this product:

PAH	CAS Number	PAH	CAS Number
9H-Fluorene	86-73-7	Benzo(j)fluoranthene	205-82-3
Acenaphthene	83-32-9	Benzo(k)fluoranthene	207-08-9
Acenaphthylene	208-96-8	Chrysene	218-01-9
Anthracene	120-12-7	Dibenzo(ah)anthracene	53-70-3
Benzo(a)anthracene	56-55-3	Indeno(1,2,3-cd) pyrene	193-39-5
Benzo(a)pyrene	50-32-8	Fluorene	86-73-7
Benzo(b)fluoranthene	205-99-2	Fluoranthene	206-44-0
Benzo(e)pyrene	192-97-2	Naphthalene	91-20-3
Benzo(ghi)perylene	191-24-2	Pyrene	129-00-0
		Phenanthrene	85-01-8

As these substances are not intentionally added, Braskem does not test for these substances.

### OZONE DEPLETING SUBSTANCES

This product is not manufactured with any of US EPA's Class I or Class II Ozone Depleting Chemicals (ODC) or the ODCs listed under the Montreal Protocol or the Ozone Depleting Substances listed in Annexes I & II of EU Directive 1005/2009/EC of 16 September 2009.

As these substances are not intentionally added, Braskem does not test for these substances.

## Product: HDI0653U1

### METALS

During the manufacture of this product, Braskem does not intentionally add any of the following metals:

Chemical Name	CAS Number	Chemical Name	CAS Number
Antimony	7440-36-0	Lead	7439-92-1
Arsenic	7440-38-2	Mercury	7439-97-6
Barium	7440-39-3	Molybdenum	7439-98-7
Beryllium	7440-41-7	Nickel	7440-02-0
Cadmium	7440-43-9	Palladium	7440-05-3
Chromium	7440-47-3	Selenium	7782-49-2
Cobalt	7440-48-4	Silver	7440-22-4
Copper	7440-50-8	Tantalum	7440-25-7
Gold	7440-57-5	Thallium	7440-28-0
Hexavalent chromium	18540-29-9	Tin	7440-31-5
		Vanadium	7440-62-2

As these metals are not intentionally added, Braskem does not test for these metals in our products.

However, since this product is produced with processing equipment made of steel, there could be traces of Iron, Chromium and Nickel in the polymer.

#### **Coalition of Northeastern Governors (CONEG)**

Braskem does not intentionally add lead, mercury, cadmium or hexavalent chromium to this product. Thus, this product does not contain incidental levels lead, mercury, cadmium or hexavalent chromium greater than 100 parts per million (ppm) in compliance with CONEG Model Legislation.

#### **European Directive 94/62/EC: Packaging and Packaging Waste**

Braskem does not intentionally add lead, mercury, cadmium or hexavalent chromium to this product. Thus, this product does not contain incidental levels of lead, mercury, cadmium or hexavalent chromium greater than 100 parts per million (ppm). This product is potentially recyclable as described in European Directive 94/62/EC.

## Product: HDI0653U1

### PERFLUOROCHEMICALs (PFCs)

Braskem does not intentionally add or use any of the following compounds during the manufacture of this product:

PERFLUOROCHEMICAL	CAS number	PERFLUOROCHEMICAL	CAS number
Perfluorooctanoic acid (PFOA)	335-67-1	Perfluorooctane sulfonate (PFOS)	1763-23-1
Perfluoro-n-butyric acid	375-22-4	Ethyl perfluorooctane sulfonamide/ Perfluorooctane sulfonamide	4151-50-2, 754-91-6
Pentafluoropropionic acid/ Silver pentafluoropropionic acid	422-64-0, 509-09-1	Perfluorononanoic acid	375-95-1
Perfluoropentanoic acid	2706-90-3	Perfluorodecane sulfonate	126105-34-8
Perfluorohexane sulfonic acid	355-46-4	Perfluorodecanoic acid	335-76-2
Perfluoroheptanoic acid	375-85-9	Perfluorododecanoic acid	307-55-1

As these substances are not intentionally added, Braskem does not test for these substances in our products.

### PERSISTANT ORGANIC POLLUTANTS (POPs)

Braskem complies with the provisions of the Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants and all amendments up to Regulation (EU) 2021/277 of 16 December 2020.

Braskem does not intentionally add or use persistent organic pollutants (POPs) during the manufacture of this product.

As these substances are not intentionally added, Braskem does not test for these substances.

### OTHER SUBSTANCES OF INTEREST

Braskem does not intentionally add or use any of the following compounds during the manufacturing of this product:

## Product: HDI0653U1

CAS #	Chemical Name
71-55-6	1,1,1-Trichloroethane
79-34-5	1,1,2,2-Tetrachloroethane
79-00-5	1,1,2-Trichloroethane
107-06-2	1,2-Dichloroethane
3846-71-7	2-(2-Hydroxy-3,5-di-tert-butylphenyl) benzotriazole
1746-01-6	2,3,7 8-Tetrachlorodibenzo-para-dioxin
1675-54-3	2,2-bis(4-hydroxyphenyl) propane bis(2,3-epoxypropyl) ether (BADGE)
584-84-9; 91-08-7	2,4 and/or 2,6-Toluene diisocyanate
732-26-3	2,4,6-tris(tert-butyl) phenol
75-26-3	2-Bromopropane
110-80-5;111-15-9	2-Ethoxyethanol and 2-Ethoxyethanol acetate
9089-47-5	2-Ethoxy-1-propanol (β-isomer)
103-11-7	2-Ethyl hexyl acrylate (2-EHA)
107-98-2	2-Methoxy-1-propanol
109-86-4	2-Methoxyethanol
110-49-6	2-Methoxyethanol acetate
91-59-8	2-Naphtylamine + salts
92-67-1	4-Aminodiphenyl
92-93-3	4-Nitrobiphenyl +salts
99-99-0	4-Nitrotoluene
90-94-8	4,4-Tetramethyldiamino benzophenone (Michler's Ketone)
77-90-7	Acetyltributylcitrate
79-06-1	Acrylamide
309-00-2	Aldrin
92-67-1	Aminobiphenyl (4-) + salts
1309-64-4	Antimony trioxide
1332-21-4	Asbestos
123-77-3	Azodicarbonamide (ADA)
n/a	Azo compounds
68608-77-5	Benzenamine, 2-ethyl-N-(2-ethylphenyl)-(,tripropenyl) derivs.
15721-78-5	Benzenamine, 4-(1,1,3,3-tetramethylbutyl)-N-[4-(1,1,3,3-tetramethylbutyl)phenyl]-
10081-67-1	Benzenamine, 4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]-
24925-59-5	Benzenamine, 4-nonyl-N-(4-nonylphenyl)-
101-67-7	Benzenamine, 4-octyl-N-(4-octylphenyl)-
4175-37-5	Benzenamine, 4-octyl-N-phenyl-
36878-20-3	Benzenamine, ar-nonyl-N-(nonylphenyl)-
27177-41-9	Benzenamine, ar-nonyl-N-phenyl-
26603-23-6	Benzenamine, ar-octyl-N-(octylphenyl)-
68608-79-7	Benzenamine, N-phenyl-, (tripropenyl) derivs.
68411-46-1	Benzenamine, N-phenyl-, reaction products with2,4,4-trimethylpentene

## Product: HDI0653U1

184378-08-3	Benzenamine, N-phenyl-, reaction products with isobutylene and 2,4,4-trimethylpentene
68442-68-2	Benzenamine, N-phenyl-, styrenated
92-87-5	Benzidine (+ salts)
2634-33-5	Benzothiazolinone (BIT)
n/a	Biocides (Pesti-, Herbi-, Insecti-, Fungi-, Bactericides) and other Fumigants, including Kathon CG and Kepone (Chlordecone)
542-88-1	Bis(chloromethyl)ether (BCME)
n/a	(Poly)Brominated flame retardants (e.g. Polybrominated compounds, such as: Polybrominated biphenyl (PBB), Polybrominated biphenyl oxide (PBBO), Polybrominated diphenyl, Polybrominateddiphenylethers, Polybrominatedterphenyls, Penta-bromodiphenyl ether-PBDE).
7726-95-6, 24959-67-9	Bromide/Bromine
2426-08-6	Butylglycidylether (BGE)
25013-16-5	Butylated hydroxyanisole (BHA)
9004-35-7	Cellulose acetate
n/a	Ceramic fibers
7782-50-5	Chlorine
57-74-9	Chlordane
63449-39-8	Chlorinated paraffin
59-50-7	Chlorocresol (meta-) and (ortho-)
n/a	Chlorofluorocarbons (CFCs) and Hydrochlorofluorocarbons (HCFC), including HCFC 141 b (1,1-Dichloro-1-fluoroethane), HCFC 142 b (Chloro-1,1-difluoroethane) or HCFC 22 (Clorodifluorometano)
67-66-3	Chloroform
26172-55-4	Chloromethylisothiazolinone (CIT)
7738-94-5	Chromic acid
8050-09-7	Colophony (rosin) and its derivatives
8001-58-9	Creosote
1163-19-5	Deca-bromodiphenylether (DBDE)
13560-88-9	Dechlorane A
61789-80-8	Dimethyl di(hydrogenated tallow) ammonium chloride (DHTDMAC)
431-03-8	Diacetyl
75-09-2	Dichloromethane
60-57-1	Dieldrin
68-12-2	Dimethylformamide
624-49-7	Dimethyl fumarate (DMF)
n/a	Difurans, Dioxins and Furans
72-20-8	Endrin
106-89-8	Epichlorohydrin
107-21-1	Ethylene glycol

## Product: HDI0653U1

50-00-0	Formaldehyde - not intentionally added, but a known thermal degradation product of polyolefins under extreme conditions
n/a	Fragrances
109-89-4; 110-49-6; 110-80-5; 110-71-4; 111-1 5-9; 111-96-6; 111-77-3; 112-49-2; 1589-47-5, 70657-70-4	Glycol ethers (EGME, EGMEA, EGDME, EGEE, EGEEA, EGDME, DEGME, DEGDME, TEGDME, 1PG2ME and 1PG2MEA)
76-44-8	Heptachlor
36355-01-8	Hexabromobiphenyls
25637-99-4	Hexabromocyclododecane (HBCDD)
118-74-1	Hexachlorobenzene
87-68-3	Hexachlorobutadiene
822-06-0	Hexamethylene-1,6-diisocyanate
n/a	Hydrobromofluorocarbons (HBFCs)
n/a	Hydrochlorofluorocarbons
7664-39-3	Hydrofluoric acid (HF)
n/a	Hydrofluorocarbons (HFCs)
193-39-5	Indeno(1,2,3-cd)pyrene
138-86-3	Limonene
101-68-8; 9016-87-9	Methyl-di-p-phenylene isocyanate (MDI)
108-78-1; 37640-57-6	Melamine; Melamine Cyanuric acid
74-83-9	Methylbromide
71-55-6	Methylchloroform
2682-20-4	Methylisothiazolinone (MIT)
101-77-9	Methylenedianiline (4,4'-)
109-86-4	Methylglycol
2385-85-5	Mirex
104-51-8	N-butylbenzene
n/a	Nitrosamines, N-nitrosamines/N-nitrosamides
n/a	Organoarsenic compounds
90-04-0	Ortho-anisidine
n/a	Organophosphate flame retardants (e.g. TCPP, TCEP, TDCP)
99-76-3; 120-47-8; 94-13-3; 94-26-8	Parabens (Methylparaben, Ethylparaben, Propylparaben, Butylparaben)
133-49-3	Pentachlorothiophenol
68937-41-7	Phenol, isopropylated phosphate (3:1)
Phenyl-b-naphthylamine:135-88-6; PCP:956-90-1	Polychlorinated Bi-, Terphenyls and Naphthalenes (e.g. Pentachlorophenol [PCP], Phenyl-b-naphthylamine, Polychlorinatedbiphenyls [PCB], Polychlorinatednaphthalene [PCN] andPolychlorinatedterphenyls [PCT])
n/a	Radioactive Substances
9003-53-6	Polystyrene

## Product: HDI0653U1

25014-41-9	Polyacrylonitrile
9004-70-0	Pyroxylin (Nitrocellulose)
108-46-3	Resorcinol
57-56-7	Semicarbazide
7440-21-3	Silicon
63394-02-5; 63148-62-9	Silicone (silicone rubber, silicone oil)
7789-06-2	Strontium chromate
100-42-5	Styrene
7446-09-5	Sulfur dioxide
2551-62-4	Sulfur hexafluoride
1934-21-0	Tartrazine
1948-33-0	Tert -butyl hydroquinone (TBHQ, tertiary butylhydroquinone)
127-18-4	Tetrachloroethylene
117-08-8	Tetrachlorophthalicanhydride (TCPA)
62-56-6	Thiocarbamide
21564-17-0	Thiocyanic acid (2-benzothiazolythiomethylester) (TCMTB)
137-26-8	Thiram (TMTD)
17501-79-0	Titanium acetylacetonate (TAA)
106-49-0; 95-35-4	Toluidine (p- and o-)
8001-35-2	Toxaphene
79-01-6	Trichloroethylene
3380-34-5	Triclosan (polychlorophenoxyphenol)
56090-54-1	Triglycerin
ITX: 5495-84-1; Titanyl-acetylacetonate: 14024-64-7	UV-hardeners (e.g. ITX, Titanyl-acetylacetonate)
75-34-5	Vinylidene chloride
12185-10-3	Yellow phosphorous

---

---

### Product: HDI0653U1

---

---

#### Braskem Product Stewardship

MEXICO: [product.safety@braskem.com](mailto:product.safety@braskem.com)

1) Braskem does not make and expressly disclaims any warranties, including warranties of merchantability or suitability for a particular purpose, regardless of whether oral or written, expressly or implied, or allegedly arising from any use of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The data provided in this document is limited to the extent of Braskem's knowledge and/or supplier's information provided to Braskem on this date. The document herein relates only to the specific Product designated and may not be valid for such Product used in combination with any other product or in any process, unless otherwise specified.

2) This Product should not be used in medical or pharmaceutical applications classified as (i) Class IV under applicable Brazilian law or (ii) Class III under applicable EU law or (iii) highest level risk under applicable United States law (i.e., those applications presenting maximum risk to health and safety of patient, operator, consumer or third parties).

3) It is the Purchaser's responsibility to verify the suitability of Braskem Idesa's Product for the intended use, to obtain the necessary competent government approvals and to ensure compliance with any applicable legal and regulatory requirements. Braskem Idesa does not warrant the suitability of its Products for the Purchaser's intended use of its (the Purchaser's) finished products. Moreover, Purchaser acknowledges and accepts the responsibility to determine and perform all necessary tests on its finished products to ensure that all conditions, specifications, legal and regulatory requirements are met and that its finished products manufactured with this Product are suitable for the application intended, including, but not limited to, medical, pharmaceutical, food packaging, food contact, as applicable.

4) The Purchaser assumes the full risk of any liability either resulting from a contract or the law to its consumers and purchasers, exempting Braskem Idesa from any direct or indirect damages arising from the commercialization of the Purchaser's finished product.

5) If the Purchaser is not the end-purchaser of this Product and is going to distribute, sell or to make it available for third parties, this disclaimer must be presented to those third parties, including the importer, under penalty of exclusive responsibility of the Purchaser for the use of this Product by the third parties, in disagreement with Product Stewardship information.

6) The information provided is of the date hereof and Braskem Idesa may update, revise or amend the information contained herein whenever possible at any time. Purchaser shall consult [www.braskem.com](http://www.braskem.com) to verify any updates to this information or contact Braskem Idesa Product Stewardship Department.

7) Additional information on health, safety and environmental aspects of Braskem Idesa's product is listed in its Safety Data Sheet (SDS).

8) For the purposes of this document, these disclaimers are also applicable to the Braskem legal entity(ies) which is/are the seller of Product, unless otherwise expressly specified.