



Process Heading	Product Specification				
Process Owner	Technical / QA Department				
Reference:	KTC 3.6-34	Revision:	18	Date:	4 th JUNE 2024
Reviewed by:	Pravin Patel	Approved by:	Aleksandra Rybicka		

CORN OIL

Description	Pure, refined and deodorised edible oil derived from the germ of the corn. Suitable for frying, roasting, salad dressings and other culinary uses.
Ingredients	Corn Oil
Countries of origin	Belgium, Germany, Spain, France, Brazil, USA, Ukraine, Romania, Bulgaria
Appearance	Clear and bright vegetable oil
Organoleptic	Free from rancid and foreign odours and flavours

Additives and Processing Aids

Additive Name	E Number	Function	Country of Origin	Level
N/A				

Physical and Chemical Data

Parameter	Units	Limits	Method
Peroxide Value(at loading)	meq O ₂ /kg	2.0 max	ISO 3960
Free Fatty Acids	% as oleic acid	0.2 max	ISO 660
Colour (Red)	Lovibond, 5 ¹ / ₄ "	2.5 max	AOCS CD8B-90
Colour (Yellow)	Lovibond, 5 ¹ / ₄ "	25 max	AOCS CD8B-90
Iodine Value	gI ₂ / 100g	100-136	GC
Moisture	%	0.1 max	Karl Fisher
Relative density (20°C)	g/cm ³	0.910-0.930	
Refractive index (40°C)	-	1.465-1.467	Refractometer
Smoke Point	°C	> 200	



Process Heading	Product Specification				
Process Owner	Technical / QA Department				
Reference:	KTC 3.6-34	Revision:	18	Date:	4 th JUNE 2024
Reviewed by:	Pravin Patel	Approved by:	Aleksandra Rybicka		

Allergens and Sensitive Ingredients

Free From	Component(s) and derivatives
Yes	Nuts - (<i>almond, hazelnut, walnut, cashew, pecan, brazil nut, pistachio, macadamia nut, Queensland nut and products thereof</i>)
Yes	Celery and products thereof
Yes	Cereals containing gluten and products thereof
Yes	Crustaceans and products thereof
Yes	Egg and products thereof
Yes	Fish and products thereof
Yes	Lupin and products thereof
Yes	Milk and dairy products
Yes	Molluscs and products thereof
Yes	Mustard seeds and products thereof
Yes	Peanuts and products thereof
Yes	Sesame seeds and products thereof
Yes	Soybeans and products thereof
Yes	Sulphur Dioxide and Sulphites at levels up to 10 ppm, expressed as SO ₂ .

Food Intolerance Data

Suitable for:

Lactose intolerance	Ovo-lacto vegetarians	Kosher Diets
Vegans – Vegan Certification No (024807)	Diabetics	Muslim Diets
Vegetarians	Coeliacs	Halal Diets



Process Heading	Product Specification				
Process Owner	Technical / QA Department				
Reference:	KTC 3.6-34	Revision:	18	Date:	4 th JUNE 2024
Reviewed by:	Pravin Patel	Approved by:	Aleksandra Rybicka		

Nutrition Information

Nutritional Information	Average value in 100g
Energy	3696KJ / 899Kcal
Fat	99.9g
of which saturated	12.7g
of which mono-unsaturated	24.7g
of which poly-unsaturated	57.8g
Carbohydrate	0.0g
of which starch	0.0g
of which sugar	0.0g
Fibre	0.0g
Proteins	<0.01g
Salt	<0.01g

General Information

Shelf Life	18 months from date of production if kept unopened in manufacturers packaging.
Storage Conditions	Store at ambient temperatures, off the floor in a clean dry area. Keep away from strongly odorous materials and direct sunlight.
Minimum Durability expressed as	Best Before End: Month Year.
Production Code expressed as	In accordance with a Julian Calendar where: First 2 digits represent the year of production, 234 represents the date of production and: 001 = 1st January, 365 = 31st December (Leap year only 366 = 31st December).



Process Heading	Product Specification				
Process Owner	Technical / QA Department				
Reference:	KTC 3.6-34	Revision:	18	Date:	4 th JUNE 2024
Reviewed by:	Pravin Patel		Approved by:	Aleksandra Rybicka	

Packaging

Packaging is available in the following sizes: **1000 litres IBC Container, 20L Can, 20L Bottle in Box, 15L Can, 15L Bottle in Box, 10L Bottle in Box, 3x 5L PET Bottle, 4 x 4L Metal Can, 6x2L PET Bottle and 6x1L PET Bottle.** Packaging conforms to current EC regulations.

European Union (EU) Food Contact – Regulation 1935/2004/EC and (EU) No. 10/2011 and amendments, most recent amendment No. 2017/752 (Apr 2017)

Packaging Type	1000L IBC Container			20L Can/Tin		
	Primary	Secondary	Tertiary	Primary	N/A	Tertiary
	Container/ Frame/Cap	N/A	Wrap	Can Cap	N/A	Pallet/ Shrink Wrap
Packaging material	Container: HDPE Frame: Steel	N/A	LDPE	Can: Steel Cap: Plastic (HDPE)	N/A	Pallet: Wood Shrink Wrap: LDPE
Weight (+/- 10%)	Container: 15.5kg Frame: 46kg Cap: 450g	N/A	150g	Can: 1131g Cap: 21.4g	N/A	Pallet: 22kg Shrink Wrap: 300g
Packaging dimensions (mm)	Integrated with the container: 1200x1000x1160 Cap: 150 (dia) , 220 (dia)	N/A	N/A	Can: 275x395mm Cap: Diameter 69mmx 30mm	N/A	Pallet: 1200x1000 Shrink Wrap: N/A
Colour	Container: Clear/White Frame: Silver Cap: Mainly black but other colours are available	N/A	Clear	Can: Multi Cap: Red	N/A	Pallet: Blue Shrink Wrap: Clear
Pallet Configuration	Layer Qty: 1 No. of layers: 1 Pallet Qty: 1			Layer Qty: 14 No. of layers: 3 Pallet Qty: 42		
Packaging Type	20L Bottle in Box			15L Can/Tin		
	Primary	Secondary	Tertiary	Primary	N/A	Tertiary
	Bottle Box Lid	N/A	Pallet/ Shrink Wrap	Can Cap	N/A	Pallet/ Shrink Wrap
Packaging material	Bottle: Plastic (HDPE) Box: 335g Cap: Plastic (HDPE)	N/A	Pallet: Wood Shrink Wrap: LDPE	Can: Steel Cap: Plastic (HDPE)	N/A	Pallet: Wood Shrink Wrap: LDPE
Weight (+/- 10%)	Bottle: 335g Box: 335g Cap: 18g	N/A	Pallet: 22kg Shrink Wrap: 300g	Can: 983g Cap: 21.4g	N/A	Pallet: 22kg Shrink Wrap: 300g
Packaging dimensions (mm)	Bottle: 379x240x286mm Lid: Diameter 70mmx33mm	N/A	Pallet: 1200x1000 Shrink Wrap: N/A	Can: 275x314mm Cap: Diameter 69mmx30mm	N/A	Pallet: 1200x1000 Shrink Wrap: N/A



ESSENTIAL FOOD INGREDIENTS

Process Heading	Product Specification				
Process Owner	Technical / QA Department				
Reference:	KTC 3.6-34	Revision:	18	Date:	4 th JUNE 2024
Reviewed by:	Pravin Patel		Approved by:	Aleksandra Rybicka	

Colour	Bottle: Box: Multi Lid: White	N/A	Pallet: Blue Shrink Wrap: Clear	Can: Multi Cap : Red	N/A	Pallet: Blue Shrink Wrap: Clear
Pallet Configuration	Layer Qty: 16 No. of layers 3 Pallet Qty: 48:			Layer Qty: 14 No. of layers: 4 Pallet Qty: 56		
Packaging Type	15L Bottle in Box			10L Bottle in Box		
	<i>Primary</i>	<i>Secondary</i>	<i>Tertiary</i>	<i>Primary</i>	<i>Secondary</i>	<i>Tertiary</i>
	Bottle Box Lid	N/A	Pallet/ Shrink Wrap	Bottle Box Lid	N/A	Pallet/ Shrink Wrap
Packaging material	Bottle: Plastic (HDPE) Box: Paper Lid: Plastic (HDPE)	N/A	Pallet: Wood Shrink Wrap: LDPE	Bottle: Plastic (HDPE) Box: Paper Lid: Plastic (HDPE)	N/A	Pallet: Wood Shrink Wrap: LDPE
Weight (+/- 10%)	Bottle:230g Box: 270g Lid: 18.4g	N/A	Pallet: 22kg Shrink Wrap: 300g	Bottle:210g Box: 229.4g Lid: 5g	N/A	Pallet: 22kg Shrink Wrap: 300g
Packaging dimensions (mm)	Bottle: Box: 246x233x375mm Lid: diameter 70mmx33mm	N/A	Pallet: 1200x10000 Shrink Wrap: N/A	Bottle: Box: 275x226x236mm Lid: diameter 40mmx25mm	N/A	Pallet: 1200x10000 Shrink Wrap: N/A
Colour	Bottle: White/Opaque Box: Multi Lid: White	N/A	Pallet: Blue Shrink Wrap: Clear	Bottle: White/Opaque Box: Multi Lid: White	N/A	Pallet: Blue Shrink Wrap: Clear
Pallet Configuration	Layer Qty: 20 No. of layers 3 Pallet Qty: 60			Layer Qty: 20 No. of layers: 5 Pallet Qty: 100		
Packaging Type	3x 5L PET Bottle			4x4L Can/Tin		
	<i>Primary</i>	<i>Secondary</i>	<i>Tertiary</i>	<i>Primary</i>	<i>Secondary</i>	<i>Tertiary</i>
	Botte Cap + handle Label	Box	Pallet/ Shrink Wrap	Can Cap	Tray Shrink Wrap	Pallet/ Shrink Wrap
Packaging material	Bottle: Plastic (PET) Cap + Handle: (Plastic (HDPE) Label: Plastic (Paper)	Box: Paper	Pallet: Wood Shrink Wrap: LDPE	Can: Steel Cap: Plastic (HDPE)	Tray: Paper Shrink Wrap: Plastic LDPE	Pallet: Wood Shrink Wrap: LDPE
Weight (+/- 10%)	Bottle: 86.8g Cap + Handle: 14.8g Label: 1.6g	Box: 239g	Pallet: 22kg Shrink Wrap: 300g	Can: 340g Cap: 11.2g	Tray: 135g Shrink Wrap: 115g	Pallet: 22kg Shrink Wrap: 300g
Packaging dimensions (mm)	Bottle: 190x120x320 Cap + Handle: Cap: 50.5mm Diameterx18mm Handle: 88.8x7.5x18.7mm Label: N/A	Box: 400x190x325mm	Pallet: 1200x10000 Shrink Wrap: N/A	Can: 175 x 108 x 235 Cap: diameter 49mm x 22mm	Tray: 375x 80x235	Pallet: 1200x1000 0 Shrink Wrap: N/A
Colour	Bottle: Clear Cap + Handle: Red Label:Multi	Tray: Multi Shrink Wrap: Clear	Pallet: Blue Shrink Wrap: Clear	Can: Multi Cap: Red	Tray: Multi Shrink Wrap: Clear	Pallet: Blue Shrink Wrap: Clear



Process Heading	Product Specification				
Process Owner	Technical / QA Department				
Reference:	KTC 3.6-34	Revision:	18	Date:	4 th JUNE 2024
Reviewed by:	Pravin Patel		Approved by:	Aleksandra Rybicka	

Pallet Configuration	Layer Qty: 14 No. of layers: 4 Pallet Qty: 56			Layer Qty: 14 No. of layers: 4 Pallet Qty: 56		
Packaging Type	4x3L PET Bottle			6x 2L PET Bottle		
	<i>Primary</i>	<i>Secondary</i>	<i>Tertiary</i>	<i>Primary</i>	<i>Secondary</i>	<i>Tertiary</i>
	Bottle Cap Label	Box	Pallet/ Shrink Wrap	Bottle Cap Label	Box	Pallet/ Shrink Wrap
Packaging material	Bottle: Plastic (PET) Cap: Plastic (HDPE) Label: Paper	Box: Paper	Pallet: Wood Shrink Wrap: LDPE	Bottle: Plastic (PET) Cap: Plastic (HDPE) Label: Paper	Box: Paper	Pallet: Wood Shrink Wrap: LDPE
Weight (+/- 10%)	Bottle:86.8g Cap: 14.8g Label:2.7g	Box: 230g	Pallet: 22kg Shrink Wrap: 300g	Bottle:53.4g Cap:1.9g Label:2.2g	Box: 201g	Pallet: 22kg Shrink Wrap: 300g
Packaging dimensions (mm)	Bottle:100x120x310 Cap: diameter 39mm x24mm Label: N/A	Box: 260x210x320mm	Pallet: 1200x10000 Shrink Wrap: N/A	Bottle:105x85x105 Cap: Diameter 29mmx15mm Label: N/A	Box: 405x188x283mm	Pallet: 1200x10000 Shrink Wrap: N/A
Colour	Bottle: Clear Cap: Red Label: Multi	Tray: Multi Shrink Wrap: Clear	Pallet: Blue Shrink Wrap: Clear	Bottle: Clear Cap: Green Label: Multi	Tray: Multi Shrink Wrap: Clear	Pallet: Blue Shrink Wrap: Clear
Pallet Configuration	Layer Qty: 15 No. of layers: 5 Pallet Qty: 75			Layer Qty: 15 No. of layers: 5 Pallet Qty: 75		
Packaging Type	6x 1L PET Bottle					
	<i>Primary</i>	<i>Secondary</i>	<i>Tertiary</i>			
	Bottle Cap Label	Box	Pallet/ Shrink Wrap			
Packaging material	Bottle: Plastic (PET) Cap: Plastic (HDPE) Label: Paper	Box: Paper	Pallet: Wood Shrink Wrap: LDPE			
Weight (+/- 10%)	Bottle:25.6g Cap:1.9g Label:2g	Box: 120.8g	Pallet: 22kg Shrink Wrap: 300g			
Packaging dimensions (mm)	Bottle:70x65x260mm Cap: Diameter 29mmx15mm Label: N/A	Box: 220x160x270mm	Pallet: 1200x10000 Shrink Wrap: N/A			
Colour	Bottle: Clear Cap: Green Label: Multi	Tray: Multi Shrink Wrap: Clear	Pallet: Blue Shrink Wrap: Clear			
Pallet Configuration	Layer Qty: 30 No. of layers: 5 Pallet Qty: 150					



Process Heading	Product Specification				
Process Owner	Technical / QA Department				
Reference:	KTC 3.6-34	Revision:	18	Date:	4 th JUNE 2024
Reviewed by:	Pravin Patel	Approved by:	Aleksandra Rybicka		

GM Labelling

Product does not contain any genetically modified ingredients.

Microbiological Standards

Specifications are not applicable for pure oils as the product is microbiologically inert.

The Institute of Food Science and Technologies' "Microbial Criteria for Foods" (ISBN 0 905367 16 2) notes that pathogens should be absent in refined oils and 100% fat products packed under good hygienic conditions and that monitoring is not required.

Safety

Edible oils and fats are widely used in foodstuffs. They are non-toxic, non-corrosive and virtually non-volatile. Consequently, they do not present oral, dermal or respiratory hazards.

There are no set occupational exposure limits and no chronic effects of exposure are known.

Skin Contact	All products are bland and inert. Remove by washing with warm water and soap.
Eye Contact	The product is non-aggressive. The affected eye(s) should be irrigated with warm water. Seek medical advice after this action.
Inhalation	This is not applicable as vapour pressures are extremely low.
Spills/Leakages	Oil and fat spillages are potentially dangerous as they make surfaces slippery. Prompt action should be taken to stop any leakage and spills cleaned up as quickly as possible. Small spillages may be removed by mopping and washing thoroughly with hot water and detergent. Large spillages should be isolated from drains, for example with sand. Liquid oils may be shovelled up or dealt with by the use of absorbent materials, such as sand or soil. The absorbed materials can then be handled in plastic refuse sacks. Sacks should be disposed of by either incineration or by burial.
Handling Precaution	<p>Because of the non-toxic and relatively inert properties of oils and fats, no special precautions are necessary, when they are at ambient temperature.</p> <p>The handling of hot fats and fats is facilitated by the use of oil resistant gloves and other suitable clothing. Eye protection may also be necessary, particularly during the frying operation.</p>



ESSENTIAL FOOD INGREDIENTS

Process Heading	Product Specification				
Process Owner	Technical / QA Department				
Reference:	KTC 3.6-34	Revision:	18	Date:	4 th JUNE 2024
Reviewed by:	Pravin Patel		Approved by:	Aleksandra Rybicka	

Approval

Signature of Acceptance for KTC (Edibles) Limited Name : Pravin Patel Signature : <i>PPatel</i> Date : 4 th JUNE 2024	Signature of Acceptance for Customer Name : Signature : Date :
--	--