

POLYPROPYLENE

18.05.2015 REV. 1 (68940)

FN000 - FNUT

STATEMENT ON COMPLIANCE TO FOOD CONTACT REGULATION

We confirm that this polypropylene and the additives used in this compound fulfils the requirements on materials used for articles or components of articles intended to come into contact with food as described in:

EU *Commission regulation (EEC) N° 10/2011 of January 14, 2011, including amendments (EU) N° 1282/2011 of November 28, 2011, (EU) N°. 1183/2012 of November 30, 2012 and (EU) N°. 202/2014.*

We confirm that the fragrance used in this compound is listed in the regulatory code following FEMA (Flavor and Extract Manufacturers Association).

Note:

For information purpose only This note contains information relative to the presence of additives subject to a restriction according to EU Regulation 10/2011, as described in this statement.

Additive: Calcium Stearate
EC Ref. N°: Salt of 89040
Max. conc.: 600 ppm
Restriction: Dual use additive

Additive: Glycerol monostearate
EC Ref. N°: 56585
Max. conc.: 5500 ppm
Restriction: Dual use additive

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

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SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION & COMPANY

Trade name: AD majoris FN000 - FNUT

Use: Manufacture of articles (preparation) by injection and extrusion.

Manufacturer: AD majoris

E-mail adresse: contact@admajoris.com

2. HAZARDS IDENTIFICATION

The product is not classified as a dangerous preparation (EC).

However, inhalation of dust may irritate the respiratory tract. Prolonged inhalation of high doses of decomposition products may give headache or irritation of the respiratory tract.

Fire: The product burns, but is not classified as flammable.

Environment: The product contains benzyl benzoate (CAS: 120-51-4).

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is a polypropylene homopolymer (CAS: 9003-07-0) with fragrance. It contains benzyl benzoate.

PRODUCT	C.A.S	EINECS	HAZARD SYMBOL	CLP CLASIFICATION	%
BENZYL BENZOATE (No REACH : 01-2119976371-33)	120-51-4	204-402-9	N, Xn R22 R51-53	ATO4, EHC2 - H302, H411	3,25 - 3,5
BENZYL ALCOHOL (No REACH : 01-2119492630-38)	100-51-6	202-859-9	Xn R20/22 R36	AT14, ATO4, EDI2 - H302 + H332, H319	0,75 - 1
ETHYL VANILLINE (No REACH : 01-2119958961-24)	121-32-4	204-464-7	Xn R20/22 R36/38	ATO4, EDI2, SCI2, STO-SE3-RI - H302, H315, H319, H335, H402	0,5 - 0,75
2,3,5,6 TETRAMETHYLPYRAZINE (No REACH : N/A)	1124-11-4	214-391-2		EDI12, SCI2, STO-SE3- RI - H315, H319, H335	0 - 0,25
2-ETHYL-3-HYDROXI-4H-PYRAN-3- ONE (No REACH : N/A)	4940-11-8	225-582-5	Xn R22	ATO4 - H302	0 - 0,25
3-METHOXY-4- HYDROXYBENZALDEHYDE (No REACH : 01-2119516040-60)	121-33-5	204-465-2		EDI2 - H319	0 - 0,25

4. FIRST- AID MEASURES

No specific instruction needed.

5. FIRE FIGHTING MEASURES

Extinguishing agents: Water in spread jet, dry chemicals, foam or carbon dioxide should be used.

The product burns, principal toxicant in the smoke is carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Suck or sweep up spill. All spill of granules must be removed immediately to prevent slipping accidents.

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7. HANDLING AND STORAGE

During processing and thermal treatment of the product, small amounts of volatile hydrocarbons may be released. Provide adequate ventilation. Local exhaust ventilation may be necessary.

Avoid inhalation of dust and decomposition fumes.

Dust from the product gives a potential risk for dust explosion. All equipment shall be grounded.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Provide adequate ventilation. Local exhaust ventilation may be necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid granules, odourless.

Colour: natural.

Melting point: 150 - 180°C

Density: 0,9 g/cm³

Ignition temperature:

> 300°C

Solubility:

Insoluble in water

10. STABILITY AND REACTIVITY

The product is a stable thermoplastic, with no chemical reactivity.

11. TOXICOLOGICAL INFORMATION

The product is not classified dangerous.

12. ECOLOGICAL INFORMATION

The product is not considered dangerous for the environment.

13. DISPOSAL CONSIDERATIONS

Reuse if not contaminated. The product may be safely used as fuel or land filled. Proper combustion does not require any special flue gas control. No leachate is generated in landfills. Check with local regulations.

14. TRANSPORT INFORMATION

The product is not regulated by ADR/RID, IMDG or IATA.

15. REGULATORY INFORMATION

Label: Product name: AD majoris FN000 - FNUT

EC regulations: Mandatory labelling (self-classification) of hazardous preparations: Not applicable.

Further information: Packaging conforms to Directive 94/62/CE to Decree 98-638.

NOTE: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

FN000 - FNUT**16. OTHER INFORMATION****1. Uses:**

Prohibited uses: For special application e.g. in medicine, surgery or the food industry, obtains further information from the manufacturer.

2. Registration numbers: The polymers are not listed in the EINECS inventory.

All the constituents of this preparation are registered in the EINECS inventory.

This safety data sheet is issued by AD majoris in accordance with article 32 of regulation (EC) N° 1907/2006 and its corrigenda.

Phrases H

H302 - Harmful if swallowe

H302+H332 - Harmful if swallowe and inhaled

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H411 - Toxic to aquatic life with long-lasting effects

Phrases R

R20/22 - Harmful by inhalation and if swallowed

R22 - Harmful if swallowed

R36 - Irritating to eyes

R51-53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R36/38 - Irritating to eyes and skin

GHS classification

ATO4 - Acute Oral toxicity 4

EDI2 - Serious eye damage / eye irritation 2

EHC2 - Hazardous to the aquatic environment - Chronic 2

SCI2 - Skin corrosion / irritation 2

STO-SE3-RI - Target organ toxicity - exposure 3 RI

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended.

This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.



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STATEMENT

The Directive 2011/65/EU of the European parliament and of the Council of 08 june 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS directive refonte).

AD majoris, certifies that we do not incorporate intentionally any of the chemicals mentioned in the Directive 2011/65/EU and subsequent amendmends.


- Pb
- Hg
- Cd
- Cr (VI)
- PBB (Polybrominated biphenyls)
- PBDE (Polybrominated diphenyl ethers)

Prepared by: AD majoris.

CUBLIZE, May 18th 2015

**LABORATORY MANAGER
(Signature)**

DIDIER BEAUDOUX



POLYPROPYLENE

APRIL 2015 REV. 1 (68940)

FN000 - FNUT

POLYPROPYLENE HOMOPOLYMER CHOCOLATE / HAZELNUT FRAGRANCE

DESCRIPTION

FN000 - FNUT is a high melt flow polypropylene fragranced homopolymer equipped for good long term heat resistance for injection moulding.

FN000 - FNUT a unique balance of properties for high speed injection moulding.

APPLICATIONS

- Automotive parts
- Packaging
- Appliances
- Houseware

PHYSICAL PROPERTIES¹⁾

	Typical Value*	Unit	Test Method
Density	905	Kg/m ³	ISO 1183
Melt Flow Rate (230°C/2.16 Kg)	17	g/10 min.	ISO 1133
Tensile stress at yield (50 mm/min)	34	MPa	ISO 527-2
Tensile Strain at yield (50 mm/min)	8	%	ISO 527-2
Tensile modulus (1 mm/min)	1450	MPa	ISO 527-2
Charpy Impact strength (notched, +23°C)	2,5	KJ/m ²	ISO 179/1eA
Hardness, Rockwell	102	-	ISO 2039-2
Heat Deflection Temp HDT (0.45 N/mm ²)	94	°C	ISO 75-2
Vicat softening temp. A (10N)	152	°C	ISO 306
Mould shrinkage	1 - 2	%	-
Flammability	HB	-	UL 94

1): Vales determined on standard injection moulded specimens conditioned at 23°C and 50% relative humidity.

* Data should not be used for specification work.

PROCESSING

FN000 - FNUT is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:

Melt temperature:	210 - 260°C
Injection speed:	Very high
Holding pressure:	50 - 70 % of the injection pressure
Screw RPM:	slow to medium speed
Mould temperature:	30 - 40°C

STORAGE AND HANDLING

FN000 - FNUT should be stored in dry conditions at temperatures below 50°C and protected from UV-light.

Improper storage can initiate degradation with resulting odour generation and colour changes.

SAFETY

FN000 - FNUT is not classified as a dangerous product.

Dust and fines from the product carry a risk for dust explosion. All equipment should be properly earthed.

Inhalation of dust may irritate the respiratory system and should be avoided.

During processing of the product small amounts of fumes are generated, which require proper ventilation.

RECYCLING

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

A Safety Data Sheet is available on request. Please contact your AD majoris representative for more details on various aspects of safety, recovery and disposal of the product.

The recommendations and data given are based on our experience to date, but no liability can be assumed in connection with their usage.

