

Version #: 02
 Issue date: 19-August-2021
 Revision date: 07-February-2023
 Supersedes date: 07-February-2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of the substance	Polypropylene (PP) homopolymer
Trade name of the substance	Polypropylene Buplene® Homopolymer grades 6131, 6231, 6331, 6431, 6531, 6631, 6731, 6531 BOPP; 6631 BOPP, 6331 CAST
Identification number	9003-07-0 (CAS number)
Registration number	-
Synonyms	None.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Packing for food, film material: cast film, mono- and biaxially oriented film, goods for: house wear, automotive and electric industries, construction products, pipes, profiles, filaments, woven and nonwoven textile, sanitary – hygienic product and for medical purposes, for single and firm packings including for hot filling and sterilization.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name	LUKOIL Neftohim Burgas AD
Address	Burgas 8104, Bulgaria
Telephone	+359 5511 5654
Fax	+359 5511 5555
e-mail	SDS@neftochim.bg
Contact person	REACH@neftochim.bg

1.4. Emergency telephone number

Access code	333368
3E Emergency Services	+1-760-476-3961 (Access code: 333368): Emergency and incident response number is provided by 3E, available 24 hours a day, 7 days a week.
General in EU	112 (Available 24 hours a day.)
National Toxicological Information Centre	+359 2 9154233 (Available 24 hours a day.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	Polypropylene Homopolymer
Hazard pictograms	None.
Signal word	None.
Hazard statements	The substance does not meet the criteria for classification.

Precautionary statements

Prevention	Not assigned.
Response	Not assigned.
Storage	Not assigned.

Disposal	Not assigned.
Supplemental information on the label	None.

2.3. Other hazards This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII. The substance is not included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties. The substance is not considered to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Polypropylene Homopolymer	≥98	9003-07-0	-	-	
Classification: -					

Composition comments This product contains additives: antioxidants and thermostabilizers in concentrations , acidic neutralizers – no more 2 %. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Exempted from registration of the regulation 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

SECTION 4: First aid measures

General information Thermal burns: Flush with plenty of water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

4.1. Description of first aid measures

Inhalation Remove victim to fresh air. Get medical attention if symptoms persist.

Skin contact No specific first aid measures noted. Wash skin with soap and water. In case of contact with molten product, cool rapidly with water and seek immediate medical attention. Do not attempt to remove molten product from skin because skin will tear easily.

Eye contact Do not rub eyes. Flush eyes with water as a precaution. If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention.

Ingestion Rinse mouth thoroughly with water. Get medical attention if any discomfort occurs.

4.2. Most important symptoms and effects, both acute and delayed Contact with dust: May cause irritation through mechanical abrasion. Exposure to hot material may cause thermal burns.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards Will burn if strongly heated and when involved in fire.

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture High concentrations of dust may form explosive mixture with air. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures Evacuate area and fight fire from a safe distance. Stay upwind. Move container from fire area if it can be done without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment.

For emergency responders Avoid formation of dust. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions	Environmental manager must be informed of all major spillages.
6.3. Methods and material for containment and cleaning up	Avoid dust formation. Collect dust using a vacuum cleaner equipped with HEPA filter. If not possible, gently moisten dust with water fog before it is collected with shovel, broom or the like. Flush area with water.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Avoid contact with molten material. Avoid inhalation of fumes from molten product. Use with adequate ventilation. Avoid generation and spreading of dust. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Keep away from sources of ignition - No smoking. Store in a cool, dry place out of direct sunlight. Ground container and transfer equipment to eliminate static electric sparks. Store away from incompatible materials.
7.3. Specific end use(s)	Packing for food, film material: cast film, mono- and biaxially oriented film, goods for: house wear, automotive and electric industries, construction products, pipes, profiles, filaments, woven and nonwoven textile, sanitary – hygienic product and for medical purposes, for single and firm packings including for hot filling and sterilization.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Follow standard monitoring procedures.
Derived no effect levels (DNELs)	Not available.
Predicted no effect concentrations (PNECs)	Not available.

8.2. Exposure controls

Appropriate engineering controls	Provide adequate general ventilation. Provide local ventilation if dust is generated.
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Individual protection measures, such as personal protective equipment

General information	Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection	Normal eye protection practices should be used. If dusty conditions exist, chemical goggles are recommended.
Skin protection	
- Hand protection	No protection is ordinarily required under normal conditions of use. It is a good industrial hygiene practice to minimise skin contact.
- Other	No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.
Respiratory protection	No protection is ordinarily required under normal conditions of use and with adequate ventilation. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Environmental manager must be informed of all major spillages.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Form	Granules.
Colour	Colorless to matt white.
Odour	Odourless.
Melting point/freezing point	> 160 - < 175 °C (> 320 - < 347 °F)
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	Will burn if involved in a fire.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not applicable.

Explosive limit – upper (%) Not applicable.

Flash point Not applicable.

Auto-ignition temperature > 380 °C (> 716 °F)

Decomposition temperature Not determined.

pH Not applicable.

Kinematic viscosity Not applicable.

Solubility

Solubility (water) Insoluble in water.

Partition coefficient (n-octanol/water) (log value) Not applicable.

Vapour pressure Not applicable.

Density and/or relative density

Density > 450 kg/m³

Relative density > 0,899 - < 0,906

Vapour density Not applicable.

Particle characteristics Not determined.

9.2. Other information

9.2.1. Information with regard to physical hazard classes No relevant additional information available.

9.2.2. Other safety characteristics

Molecular formula (C3-H6)X-

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable and non reactive under normal conditions of use, storage and transport.

10.2. Chemical stability This product is stable under expected conditions of use.

10.3. Possibility of hazardous reactions Hazardous polymerisation does not occur.

10.4. Conditions to avoid Avoid exposure to high temperatures or direct sunlight. Contact with incompatible materials.

10.5. Incompatible materials Oxidizing agents. Halogens. Strong acids.

10.6. Hazardous decomposition products Thermal decomposition or combustion may liberate toxic and/or corrosive gases or fumes.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation Not relevant at normal room temperatures. When heated, irritating vapours may be formed.

Skin contact Skin irritation is not anticipated when used normally.

Eye contact Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye.

Ingestion Under normal conditions of intended use, this material does not pose a risk to health.

Symptoms Hot material will produce thermal burns.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Under normal conditions of intended use, this material does not pose a risk to health. Danger of poisoning from products of destruction (decomposition) i.e. when heating polypropylene during its processing.

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye.

Respiratory sensitisation Based on available data, the classification criteria are not met.

Skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity

Polypropylene Homopolymer (CAS 9003-07-0)

3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Not an aspiration hazard.
Mixture versus substance information	Not applicable.

11.2. Information on other hazards

Endocrine disrupting properties	This substance does not have endocrine disrupting properties with respect to human health, as it does not meet the assessment criteria laid out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605.
Other information	Contact with hot material can cause thermal burns which may result in permanent damage or blindness.

SECTION 12: Ecological information

12.1. Toxicity	No toxicity data noted for the ingredient(s).
12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	No data available.
Partition coefficient n-octanol/water (log Kow)	Not applicable.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not considered mobile.
Mobility in general	The product is insoluble in water.
12.5. Results of PBT and vPvB assessment	This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII.
12.6. Endocrine disrupting properties	This substance does not have endocrine disrupting properties with respect to the environment, as it does not meet the assessment criteria laid out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605.
12.7. Other adverse effects	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

SECTION 14: Transport information

ADR

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
Hazard No. (ADR)	Not assigned.
Tunnel restriction code	Not assigned.
14.4. Packing group	Not assigned.
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

RID

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

14.4. Packing group Not assigned.

14.5. Environmental hazards No.

14.6. Special precautions Not assigned.

for user

ADN

14.1. UN number Not regulated as dangerous goods.

14.2. UN proper shipping Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

14.4. Packing group Not assigned.

14.5. Environmental hazards No.

14.6. Special precautions Not assigned.

for user

IATA

14.1. UN number Not regulated as dangerous goods.

14.2. UN proper shipping Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

14.4. Packing group Not assigned.

14.5. Environmental hazards No.

14.6. Special precautions Not assigned.

for user

IMDG

14.1. UN number Not regulated as dangerous goods.

14.2. UN proper shipping Not regulated as dangerous goods.

name

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk -

14.4. Packing group Not assigned.

14.5. Environmental hazards

Marine pollutant No.

EmS Not assigned.

14.6. Special precautions Not assigned.

for user

14.7. Maritime transport in bulk Not applicable.
according to IMO instruments

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

List of abbreviations

PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.

References

HSDB® - Hazardous Substances Data Bank
Registry of Toxic Effects of Chemical Substances (RTECS)

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements, which are not written out in full under sections 2 to 15

None.

This SDS contains revisions in the following section(s):

1, 2, 16.

Training information

Follow training instructions when handling this material.

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available at the date of revision and exclusively refer to the product in its as-delivered condition. The information and recommendations are offered for the user's consideration and examination. The logo and the name "LUKOIL oil company" may include anyone or more of LUKOIL or any affiliates in which they directly or indirectly hold any interest.