

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and No. 453/2010



Hostalen PP H7350FLS 303064

Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

Print Date 04/14/2017

MSDS No.: BE7741

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Hostalen PP H7350FLS 303064
Synonyms : 1-Propene, homopolymer, PP
Substance name : Polypropylene
Substance No. : 9003-07-0

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

Use of the Substance/Mixture : Manufacture of plastic articles by injection moulding, extrusion or other conversion process.

1.3 Details of the supplier of the safety data sheet

1.4 Emergency telephone

Company	Telephone	Registration number	Emergency telephone
Basell International Trading FZE Building (E) 6, Block (A), Office No. 619 Dubai Airport Free Zone P.O.Box 293611 Dubai United Arab Emirates	+971 4 2045 970	NA	+32 3 575 1235

E-mail address : product.safety@lyondellbasell.com
Responsible/issuing person

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Classification according to EU Directives 67/548/EEC or 1999/45/EC, as amended

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

SAFETY DATA SHEET

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Hostalen PP H7350FLS 303064

Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

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MSDS No.: BE7741

2.3 Other hazards

If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

3. Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Chemical Name	CAS-No. EC-No.	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Polypropylene	9003-07-0	Not Classified	Not Classified	95 - 100

Contains: Additives and stabilizers

4. First aid measures

4.1 Description of first-aid measures

- General advice : Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid.
- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
Avoid breathing fumes that may be generated during the processing and heating of this material.
In case of excessive inhalation of fumes move the person to fresh air. Call for medical help.
Keep person warm, if necessary give mouth-to-mouth resuscitation, or artificial respiration.
- In case of skin contact : If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissue and polymer.
Obtain immediate emergency medical attention if burn is deep or extensive.

SAFETY DATA SHEET

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Hostalen PP H7350FLS 303064

Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

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MSDS No.: BE7741

- In case of eye contact : Flush eyes thoroughly with water for several minutes and seek medical attention if discomfort persists.
- : In case of eye contact with molten polymer:
Continuously flush eye(s) with cool running water for at least 15 minutes.
Immediately seek medical attention.
- If swallowed : Adverse health effects due to ingestion are not anticipated.
Get medical advice/ attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Inhalation of process fumes and vapors may cause soreness in the nose and throat and coughing.
- Hazards : Dust contact with the eyes can lead to mechanical irritation.
Molten polymer may cause thermal burns.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media : SMALL FIRE: Use dry chemical, CO₂, water spray or regular foam
LARGE FIRE: Use water spray, water fog or foam. DO NOT use straight streams
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire fighting : Keep away from heat and sources of ignition.
In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide, carbon dioxide and unburned hydrocarbons.
- : The formation of hydrocarbons and aldehydes are possible in the initial stages of a fire (especially in between 400 C and 700 C)

SAFETY DATA SHEET

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Hostalen PP H7350FLS 303064

Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

Print Date 04/14/2017

MSDS No.: BE7741

5.3 Advice for firefighters

- Special protective equipment for fire-fighters : Wear an approved positive pressure self-contained breathing apparatus and firefighter turnout gear.
- Further information : Not normally combustible, but will decompose under fire conditions.
Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
Heat from fire may melt, decompose polymer, and generate flammable vapors.
Move containers from fire area if it can be done without risk.
Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
Always stay away from tanks engulfed in fire.
Cool containers with flooding quantities of water until well after fire is out.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Equip responders with proper protection.
Potential combustible dust hazard.
Avoid generating dust.
Creates dangerous slipping hazard on any hard smooth surface.

6.2 Environmental precautions

- Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

- Methods for cleaning up : On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk.
On water, material is insoluble; collect and contain as any solid.
All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.

SAFETY DATA SHEET

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Hostalen PP H7350FLS 303064

Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

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MSDS No.: BE7741

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid dust accumulation in enclosed space.
Use dust collection systems to avoid dust accumulation.
Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Static discharge (spark), or other ignition sources, in high dust environments may ignite the dust and result in a deflagration.
Electrostatic charge may build up during handling. Equipment should be grounded and bonded.
Metal containers involved in the transfer of this material should be grounded and bonded.
All electrical equipment should be grounded and conform to applicable electric codes and regulatory requirements.
Material creates dangerous slipping hazard on hard surfaces.
After handling, always wash hands thoroughly with soap and water.
When bringing the material to processing temperatures gases might develop. See section 10.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in a dry location.
Use good housekeeping practices during storage, transferring and handling. Process enclosures and adequate ventilation should be used to avoid excessive dust accumulation.
Store away from excessive heat and away from strong oxidizing agents.
Keep container closed to prevent contamination.
Take measures to prevent the build up of electrostatic charge.

7.3 Specific end use(s)

: See Section 1.2.

8. Exposure controls/personal protection

8.1 Control parameters

Ingredients	CAS-	Value	Control	Update	Basis
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SAFETY DATA SHEET

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Hostalen PP H7350FLS 303064

Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

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MSDS No.: BE7741

	No.		parameters		
Materials that can be formed when handling this product: Non-specified (inert or nuisance) dust		TWA	10 mg/m3	2005	US (ACGIH)
Further information		inhalable			
Materials that can be formed when handling this product: Non-specified (inert or nuisance) dust		TWA	3 mg/m3	2005	US (ACGIH)
Further information		respirable			

8.2 Exposure controls

Engineering measures

Engineering controls, preferably enclosed systems, should be used whenever feasible to maintain exposures below acceptable criteria. When such controls are not feasible, or sufficient to achieve full conformance, other engineering controls such as local exhaust ventilation should be used.

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Personal protective equipment

Respiratory protection : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Use appropriate respiratory protection where atmosphere

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and No. 453/2010



Hostalen PP H7350FLS 303064

Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

Print Date 04/14/2017

MSDS No.: BE7741

exceeds recommended limits.

Hand protection : Wear heat protective gloves and clothing if there is a potential for contact with heated material.

Eye protection : Dust service goggles should be worn to prevent mechanical injury or other irritation to eyes due to airborne particles which may result from handling this product.

Skin and body protection : Wear suitable protective clothing.

Hygiene measures : Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.
Use good personal hygiene practices.
Wash hands before eating, drinking, smoking, or using toilet facilities.
Take off contaminated clothing and wash before reuse.

Environmental exposure controls

General advice : See section 6.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : solid

Color : gray

Odor : No Data Available.

Flash point : Note: Not applicable.

Lower explosion limit : Note: Not applicable.

Upper explosion limit : Note: Not applicable.

Flammability (solid, gas) : Polymer will burn but does not easily ignite.

Oxidizing properties : Not considered an oxidizing agent.

Autoignition temperature : > 300 °C

SAFETY DATA SHEET

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Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

Print Date 04/14/2017

MSDS No.: BE7741

pH	: Note: Not applicable.
Melting point/range	: 50 - 170 °C
Boiling point/boiling range	: Note: Not applicable.
Vapor pressure	: Note: Not applicable.
Density	: < 1 g/cm ³
Water solubility	: Note: Insoluble.
Partition coefficient: n-octanol/water	: Note: No Data Available.
Viscosity, dynamic	: Note: Not applicable.
Relative vapor density	: Note: No Data Available.
Evaporation rate	: Note: Not applicable.
Explosive properties	: Not explosive
	: Polymer dust particles in the atmosphere are combustible and may be explosive.

9.2 Other information

Conductivity	: Note: Not applicable.
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10. Stability and reactivity

10.1 Reactivity

No known reactivity hazards.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	: Will not occur.
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10.4 Conditions to avoid

Conditions to avoid	: Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
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SAFETY DATA SHEET

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Hostalen PP H7350FLS 303064

Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

Print Date 04/14/2017

MSDS No.: BE7741

10.5 Incompatible materials

Materials to avoid : Material may be softened by some hydrocarbons.

10.6 Hazardous decomposition products

Thermal decomposition : Note: Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : Not classified

Acute inhalation toxicity : Not classified

Acute dermal toxicity : Not classified

Skin corrosion/irritation : Not a skin irritant.

Serious eye damage/eye irritation : Not an eye irritant.
Mechanical irritation is possible.

Respiratory or skin sensitization : Not classified

Chronic toxicity

Carcinogenicity : Not classified

Germ cell mutagenicity : Not classified

Teratogenicity : Not classified

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and No. 453/2010



Hostalen PP H7350FLS 303064

Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

Print Date 04/14/2017

MSDS No.: BE7741

Toxicity for reproduction : Not classified

Target Organ Systemic Toxicant - Single exposure

: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Target Organ Systemic Toxicant - Repeated exposure

: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard : Not applicable.

12. Ecological information

12.1 Toxicity

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

12.2 Persistence and degradability

Biodegradability : Not expected to be biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation : This material is not expected to bioaccumulate.

12.4 Mobility in soil

Additional advice : This material is not volatile and insoluble in water.
Environmental fate and pathways

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

SAFETY DATA SHEET

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Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

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MSDS No.: BE7741

12.6 Other adverse effects

Additional ecological information

: Ecotoxicity is expected to be minimal based on the low water solubility of polymers.
No data available on this product. However, birds, fish and other wildlife may eat pellets which may obstruct their intestinal tracts.

13. Disposal considerations

13.1 Waste treatment methods

Product : All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.
Recycle if possible.

14. Transport information

Not regulated for transport

15. Regulatory information

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

REACH status

If the product has been purchased from any company of the LyondellBasell group of companies registered in the European Union, we confirm that all substances in this preparation have been pre-registered or, where required under REACH, registered, and that we have the intention to proceed with their registration in accordance with the deadlines set forth in REACH. (Regulation (EU) No. 1907/2006)

Other international regulations

Global Inventory Status

The ingredients of this product are compliant with the following chemical inventory requirements or exemptions.

*Additional Explanatory Status Statements follow the table, as necessary.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and No. 453/2010



Hostalen PP H7350FLS 303064

Gen. Variant: SDS_TR

Version 1.0

Revision Date 04/03/2014

Print Date 04/14/2017

MSDS No.: BE7741

Country/Region	Inventory	Status Description
Australia	AICS	Compliant
Canada	NDSL	Compliant
China	IECSC	Compliant
Europe	REACH	See REACH Compliance Statement
Japan	ENCS	Compliant
Korea	KECI	Compliant
New Zealand	NZIoC	Not Compliant
Philippines	PICCS	Compliant
United States of America	TSCA	Compliant

Contact product.safety@lyondellbasell.com for additional global inventory information.

15.2 Chemical Safety Assessment

No information available.

16. Other information

Material safety datasheet sections which have been updated:

First Edition March 31 2014

Disclaimer

Multiple legal entities and registration numbers may be displayed in Section 1. The Recipient shall refer to the shipping documents to identify the legal entity that supplied this product.

This document is generated for the purpose of distributing health, safety, and environmental data.

Information is correct to the best of our knowledge at the date of the MSDS publication.

It is not a specification sheet nor should any displayed data be construed as a specification.

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Version 1.0

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MSDS No.: BE7741

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(ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: U.S. FDA Class II medical devices; Health Canada Class II or III medical devices; European Union Class II medical devices; or any equivalent U.S. FDA, Health Canada, or European Union regulations pertaining to medical devices; packaging in direct contact with a pharmaceutical active ingredient and/or dosage form; and tobacco-related products and applications. This product(s) may not be used in the manufacture of any of the following applications: U.S. FDA Class III medical devices; Health Canada Class IV medical devices; European Class III medical devices; applications involving permanent implantation into the body; life-sustaining medical applications; and lead, asbestos or MTBE related applications. All references to the U.S. FDA, Health Canada and European Union regulations include another country's equivalent regulatory classification.

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The presentation of numerical data, such as that used for physical and chemical properties and toxicological values, is expressed using a comma (,) to separate digits into groups of three and a period (.) as the decimal marker. For example, 1,234.56 mg/kg = 1 234,56 mg/kg.