

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



QCP PP 1530

Gen. Variant: SDS_AT

Version 1.7

Revision Date 03/29/2021

Print Date 01/08/2022

SDS No.: BE16023

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

1.1 Product identifier

Trade name : QCP PP 1530
 Synonyms : Polyolefin, Compounded polymer
 Substance name : Compounded polyolefin

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

Identified uses : Manufacture of plastic articles by injection molding, extrusion or other conversion process.
 Prohibited uses : FDA Class III medical devices; European class III medical devices; Health Canada class IV Medical Devices; Applications involving permanent implantation into the body; Life-sustaining medical applications

1.3 Details of the supplier of the safety data sheet

Company Basell Sales & Marketing Company B.V. Delftseplein 27E 3013 AA Rotterdam Netherlands	Registration number NA	Telephone 31 (0) 10 275 55 00
E-mail address : product.safety@lyb.com		
Responsible/issuing person		

1.4 Emergency telephone number

Basell Sales & Marketing Company B.V. +32 3 575 1235

Poison Center:
 Gesundheit Österreich GMBH
 AT: +43 1 406 43 43
 24 hours all days

2. Hazards identification

2.1 Classification of the substance or mixture

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Classification (REGULATION (EC) No 1272/2008)

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

2.2 Label elements**Labeling (REGULATION (EC) No 1272/2008)**

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

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****Components**

Chemical name	CAS-No. EC-No.	Classification (REGULATION (EC) No 1272/2008)	<u>Weight %</u>
Mixture of Polypropylenes	Mixture		60.0 - 70.0 %
Mixture of recycled Polyethylenes	Mixture		15.0 - 25.0 %
Proprietary blend of polyolefinic polymers	Mixture	Not Classified	10.0 - 15.0 %

Contains: Additives and stabilizers

The mixture of Polypropylene is a recycled material from post-consumer waste and can contain residues of other polyolefins (polyethylene and other (co-)polymers)

The mixture of Polyethylene is a recycled material from post-consumer waste and can contain residues of other polyolefins (polypropylene and other (co-)polymers)

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.

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If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
 In case of excessive inhalation of fumes that may be generated during heating of this material, move the person to fresh air.
 Obtain medical attention.
 Keep person warm, if necessary give Cardio-Pulmonary Resuscitation (CPR)

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.
 Do not attempt to peel polymer from skin as this will remove the skin.
 Obtain immediate emergency medical attention if burn is deep or extensive.

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.
 Beyond flushing, DO NOT attempt to remove the material adherent to the eye(s).
 Immediately seek medical attention.

If swallowed : Adverse health effects due to ingestion are not anticipated.

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.

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5. Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media : SMALL FIRE:
Use dry chemical, CO2, or water spray.
- : LARGE FIRES:
Use water spray hose nozzles from a safe location.
- Unsuitable extinguishing media : None known.

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 (smoke).

5.3 Advice for firefighters

- Special protective equipment for fire-fighters : Wear approved positive pressure self-contained breathing apparatus and firefighter protective clothing.
- Further information : Combustible particulate solid, will decompose under fire conditions.
Calorific Value: 8000 - 11000 kcal/kg
Fight fire from safe distance with hose lines 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.
Evacuate immediately in the event of opening of storage container pressure relief devices or discoloration of container.
Always stay away from tanks engulfed in fire.
Do not attempt to get on top of storage containers involved in fire.
Cool storage containers with large volumes of water even after fire is out.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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Personal precautions : Equip responders with proper protection.
 Creates dangerous slipping hazard on any hard smooth surface.
 Equip emergency responders with proper personal protective equipment (PPE)
 Avoid generating dust.
 Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
 Potential combustible dust hazard.
 Polymer particles create slipping hazard on hard smooth surfaces.

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 containment / : On land, sweep/shovel into suitable disposal containers or
 Methods for cleaning up 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.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Material is in a pellet form.
 If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air.
 Avoid dust accumulation in enclosed space.
 Avoid generating dust; fine dust suspended in air 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 dust explosion
 Electrostatic charge may build during conveying or handling.
 Equipment handling polymer should be conductive and

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grounded (earthed) and bonded.
 Metal containers involved in the transfer of this material should be grounded and bonded.
 All electrical equipment should conform to applicable electric codes and regulatory requirements for areas handling combustible dusts.
 After handling, always wash hands thoroughly with soap and water.
 When bringing the material to processing temperatures vapors may develop may condense in the exhaust ventilation. See section 10.

Fire-fighting class : Polymer will burn but does not easily ignite.

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 with workplace control parameters

Occupational Exposure Limits

Components	CAS-No.	Type	Limit Value	Basis Revision Date	Additional Information
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Materials that can be formed when handling this product: Non-specified (inert or nuisance) dust		TWA	10 mg/m3 inhalable	US (ACGIH) 2005	
Materials that can be formed when handling this product: Non-specified (inert or nuisance) dust		TWA	3 mg/m3 respirable	US (ACGIH) 2005	

Consult local authorities for acceptable exposure limits.

8.2 Exposure controls

Engineering measures

Follow the recommendations in international standard NFPA 654 (as amended and adopted) for equipment used to handle this product.

Engineering controls, i.e. 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.

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 exceeds recommended limits.
Where workers could be exposed to dust concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection : Wear gloves that provide thermal protection where there is a potential for contact with heated material.

Eye and face protection : Dust service goggles should be worn to prevent mechanical

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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 : Pellets.
- Color : gray
- Odor : Slight.
- Flash point : No Data Available.
- Lower explosion limit : The minimum explosive concentration (MEC) for polymer dust varies according to particle size distribution.
- Upper explosion limit : Not applicable.
- Flammability (solid, gas) : Polymer will burn but does not easily ignite.
- Oxidizing properties : Not considered an oxidizing agent.
- Autoignition temperature : > 300 °C
- Decomposition temperature : not determined

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Melting point/range : 50 - 170 °C
 Boiling point/boiling range : Not applicable.
 Vapor pressure : Not applicable.
 Density : < 1 g/cm3
 Water solubility : Insoluble.
 Partition coefficient: n-octanol/water : No Data Available.
 Viscosity, dynamic : Not applicable.
 Relative vapor density : Not applicable.
 Evaporation rate : Not applicable.
 Explosive properties : No Data Available.

9.2 Other information

Other information : No additional information available.

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.

10.4 Conditions to avoid

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

10.5 Incompatible materials

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

10.6 Hazardous decomposition products

Hazardous decomposition products : Not expected to decompose under normal conditions.

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

Reproductive toxicity

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Effects on fertility / : Not classified
 Effects on or via lactation
 Effects on Development : 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 Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Not classified
Long-term (chronic) aquatic hazard : 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

Mobility : no data available

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

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

12.7 Other information

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

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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 registered under REACH, 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.

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

Contact product.safety@lyb.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:**

Revised Section(s): 3

Abbreviations and Acronyms

ACGIH - American Conference of Governmental Industrial Hygienists

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ACGIH_BEIs - American Conference of Governmental Industrial Hygienists_Biological Exposure Indices

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

AICS - Australian Inventory of Chemical Substances

ASTM - American Society for Testing and Materials

BEL - Biological Exposure Limits

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes

CAS - Chemical Abstracts Service

CEFIC - European Chemical Industry Council

CLP - Classification Packaging and Labelling

COC - Cleveland Open-Cup

CS - Consumer Scenario

DIN - Deutsches Institut für Normung

DN(M)EL - Derived No (Minimal) Effect Level

DSL - Canada Domestic Substance List

EC - European Commission

EC50 - Median Effective Concentration

ECETOC - European Center on Ecotoxicology and Toxicology of Chemicals

ECHA - European Chemicals Agency

EL50 - Effective Loading fifty

ELINCS - EHR-Lab Interoperability and Connectivity Specification

ENCS - Japanese Existing and New Chemical Substances Inventory

ERC - Environmental Release Category

EUSES - European Union System for the Evaluation of Substances

EWC - European Waste Code

GHS - Globally Harmonized System of Classification and Labelling of Ch

IARC - International Agency for Research on Cancer

IATA - International Air Transport Association

IC50 - Inhibitory Concentration fifty IL50 = Inhibitory Level fifty

IMDG - International Maritime Dangerous Goods

IECSC - Chinese Chemicals Inventory

IOELV - Indicative Occupational Exposure Limit Values

IP346 - Institute of Petroleum test method N° 346 for the determination of polycyclic aromatics DMSO-extractables

KECI - Korea Existing Chemicals Inventory

Koc - Organic Carbon/Water Partition Coefficient

LC50 - Lethal Concentration fifty

LD50 - Lethal Dose fifty per cent.

LL/EL/IL - Lethal Loading/Effective Loading/Inhibitory Loading

LL50 - Lethal Loading fifty

MAK Commission - Permanent Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area

MARPOL - International Convention for the Prevention of Pollution from Ships

No. - Number

NOEC/NOEL - No Observed Effect Concentration / No Observed Effect Level

NZIoC - New Zealand Inventory of Chemicals

OE_HPv - Occupational Exposure - High Production Volume

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OECD - Organization for Economic Co-operation and Development
 OEL - Occupational Exposure Limit
 PBT - Persistent, Bio accumulative and Toxic
 PICCS - Philippine Inventory of Chemicals and Chemical Substances
 PNEC - Predicted No Effect Concentration
 PPE - Personal Protective Equipment
 PROC - Process Category
 QSAR - Quantitative Structure–Activity Relationship
 REACh - Registration Evaluation and Authorization of Chemicals
 RID - Regulations Relating to International Carriage of Dangerous Goods by Rail
 SDS - Safety Data Sheet
 SKIN_DES - Skin Designation
 STEL - Short term exposure limit
 STP - Standard Temperature and Pressure
 TCSCA - Taiwan inventory of chemicals
 TGD - Technical Guidance Document
 TRA - Targeted Risk Assessment
 TSCA - US Toxic Substances Control Act
 TWA - Time-Weighted Average
 UN - United Nations
 vPvB - very Persistent and very Bioaccumulative
 WGK - German Water Endangerment Class

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Numerical Data Presentation

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

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a period (.) as the decimal marker. For example, 1,234.56 mg/kg = 1 234,56 mg/kg.

Language Translations

The information presented in this document has been translated from English by a vendor LyondellBasell believes to be reliable. LyondellBasell and its vendor have made a good-faith effort to verify the accuracy of the translation, but assume no liability or other responsibility for any errors that may have occurred. Please refer to our web site (www.lyondellbasell.com) for the original document written in English.

End of Material Safety Data Sheet