

Issuing Date 18-Nov-2020

Revision Date 04-Dec-2023

Revision Number 2.6

1. Identification

Product identifier

Product Name PP Homopolymer

Other means of identification

Product Code(s) 5E16S, Amppleo 1025MA, BH-50, CP1000A, CP1200B ,CP250H ,CP350WV, CP360H, D022D2, D036W6, D040A, D080T, D115A, D130C, D180A2, D180M, D218.00, DH362.01, DH383.01, DH789.01, F006EC2, F008F, F013M, F020HC, F030HC, F080HC, F1000HC, F1000HC2, F165HC, F180A, F2700HC, F350HC, F350HC2, FF030F2, FF035C, FP650WV, FPT300F, FPT350WV3, FT120W2, FT120WB2, FT120WV, FT140WV, FT200WV, FT200WV2, GH12, GH12V, GH20, GH20V, GH35, GH4, H 103, H 105 Maxio, H 107, H 117, H 118, H 125, H 130, H 155, H 201, H 202HC Maxio, H 203, H 214, H 216, H 301, H 401, H 501HC, H 502HC, H 503, H 503HS, H 504XP, H 603, H 604, H 605, H 606, H 611, H 614, H357-09RSB, H502-25RG, H521, H7058-25R, H734-52RNA, H734- 52RNA2, HEM350B, HP 427J, HP 500D, HP 500P, HP 502H, HP 523J, HP 550R, HP 648S, HSP165G, HSP165LG, HSP250NA, INSPIRE 215, INSPIRE 252, INSPIRE™ 6021N, INSPIRE™ 6022N, INSPIRE™ 6023N, INSPIRE™ 6023PN, INSPIRE™ 6025, INSPIRE™ 6025N, JE 6190, KM 6150HC Maxio, LGF7600, LGF7600 OC, LGF7900, PD 943XP, PF225GQ, PF 260GQ, PF33, , PF350GQ, PG 480, PG35L, PG480, PG80Q, PH 0130, PH 0950, PH 0952, PM25, PM25HN, PM47N, PROXESS H33, PT400NA, Widespec, ZS-751.

Synonyms 1-Propene, Homopolymer

Recommended use of the chemical and restrictions on use

Recommended use Polymer preparations and compounds

Supplier's details

Supplier

Braskem S.A.
Rua Eteno, 1561, Complexo Petroquímico de Camaçari
Camaçari, BA, CEP: 42810-000

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Tel: +31 10 798 5002

Braskem America, Inc.
1735 Market Street
Philadelphia, PA 19103-7583
Tel: (800) 396 - 5252

Emergency telephone number

Emergency telephone +1 703 527 3887 (CHEMTREC International)
CHEMTREC Philippines: 1-800-815-308

2. Hazard(s) identification

Classification of the substance or mixture

Label elements

Hazard statements

Not classified

Other hazards

Special danger of slipping by leaking/spilling product. Electrostatic charges may be generated during handling. If small particles are generated during processing or handling, this product may form combustible dust concentrations in air.

3. Composition/information on ingredients

Substance

Not applicable

Mixture

Common name PP Homopolymer

Synonyms 1-Propene, Homopolymer

Chemical name	CAS No	Weight-%
Polypropylene 9003-07-0	9003-07-0	98-100

4. First-aid measures

Description of necessary first aid measures

Inhalation Remove to fresh air. Medical aid is necessary if symptoms appear to be an obvious consequence of inhalation.

Skin contact Wash skin with soap and water. Get medical attention if irritation develops and persists. After contact with molten product, cool skin area rapidly with cold water. Removal of solidified molten material from skin requires medical assistance.

Eye contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects

Product dust may be irritating to eyes, skin and respiratory system.

Note to physicians

Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media

Suitable Extinguishing Media CO2, dry chemical, dry sand, alcohol-resistant foam. Water spray or fog.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Specific hazards arising from the chemical Avoid generation of dust. Fine dust dispersed in air may ignite. Powders, dusts, shavings, borings, turnings or cuttings may explode or burn with explosive violence.

Special protective actions for fire-fighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions Ensure adequate ventilation. Avoid generation of dust. Avoid contact with eyes. Use personal protective equipment as required. Do not breathe dust. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions See Section 12 for additional Ecological Information.

Methods for cleaning up Prevent further leakage or spillage if safe to do so. Prevent dust cloud. Take up with inert, damp, non-combustible material using clean non-sparking tools and place into loosely covered plastic containers for later disposal. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Handling Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust. Avoid contact with eyes. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. Airborne dusts are potentially explosive. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA-654).

Storage Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. Keep container closed when not in use. Keep in an area equipped with sprinklers.

Incompatible materials None known based on information supplied.

8. Exposure controls/personal protection

Control parameters**Exposure guidelines.**

Chemical name	Japan Society of Occupational Health	China	Hong Kong	Indonesia	Malaysia
Polypropylene	-	TWA: 5 mg/m ³ total dust	-	-	-

Chemical name	Philippines	Singapore	OEL	Taiwan	Thailand
Polypropylene	-	-	-	-	-

Chemical name	Vietnam	New Zealand	Australia	European Union	ACGIH TLV
Polypropylene	-	-	-	-	-

Biological occupational exposure limits

No data available.

Appropriate engineering controls**Engineering controls**

Ensure that eyewash stations and safety showers are close to the workstation location. 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). 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.

Individual protection measures, such as personal protective equipment**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

Eye/face protection

Wear safety glasses with side shields (or goggles). During hot processing: Tight sealing safety goggles. If there is a risk of contact: Face protection shield.

Hand protection

Heat resistant gloves are recommended when handling molten materials.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. Protective shoes or boots. During hot processing:

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Regular cleaning of equipment, work area and clothing is recommended.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Appearance	Pellets, granules
Physical state	Solid
Color	White to off-white

Odor	Odorless; Mild
Odor threshold	No information available
<u>Property</u>	<u>Values</u>
pH	No data available
Melting point / freezing point	160 - 170 °C / 320 - 338 °F
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Flammability Limit in Air	
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.9 - 0.92
Water solubility	Negligible
Solubility(ies)	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
<u>Other information</u>	
Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

10. Stability and reactivity

<u>Stability</u>	Stable under normal conditions.
<u>Reactivity</u>	None under normal use conditions.
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Possibility of hazardous reactions	None under normal processing.
<u>Conditions to avoid</u>	Excessive heat. Heating in air. Dust formation.
<u>Incompatible materials</u>	None known based on information supplied.

Hazardous decomposition products Decomposition products depend on temperature, exposure to air, and the presence of other substances. Processing may release irritating fumes, olefinic and paraffinic compounds, carbon monoxide, and carbon dioxide. Potential thermal decomposition products include trace aldehydes (including formaldehyde), alcohols, organic acids, and hydrocarbons.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation of respiratory tract.
Eye contact	Dust contact with the eyes can lead to mechanical irritation.
Skin contact	Contact with dust can cause mechanical irritation or drying of the skin.
Ingestion	May cause irritation of the mouth, throat and stomach.
<u>Symptoms</u>	No information available.

Acute toxicity**Numerical measures of toxicity - Product Information**

Based on available data, the classification criteria are not met

- 100 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chronic (long-term) toxicity

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Contains no ingredients above reportable quantities listed as a carcinogen.

Chemical name	IARC
Polypropylene	Group 3

Legend

IARC (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	None of the ingredients are known to be an aspiration hazard.

12. Ecological information

<u>Ecotoxicity</u>	Material in pellet or bead form may mechanically cause adverse effects if ingested by waterfowl or aquatic life. Avoid release to the environment. .
Unknown aquatic toxicity	0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.
<u>Persistence and degradability</u>	This water-insoluble polymeric solid is expected to be inert in the environment. Surface photodegradation is expected with exposure to sunlight. No appreciable biodegradation is expected.
<u>Bioaccumulation</u>	There is no data for this product.

Mobility in soil No information available.

Other adverse effects No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Dispose of contents/containers in accordance with local regulations. Do not dispose of with household waste. Do not flush to sewer. Do not allow to enter into surface water or drains.

14. Transport information

IMDG Not regulated

IATA Not regulated

15. Regulatory information

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

International Regulations

The Rotterdam Convention Not applicable

16. Other information

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Revision Note Initial Release.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

Key literature references and sources for data used to compile the SDS

U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

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End of Safety Data Sheet