

Issuing Date 18-Nov-2020

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Revision Number 2.7

## 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, H 107, H 117, H 118, H 125, H 130, H 155, H 201, H 202HC, 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, 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

Braskem Netherlands BV  
Weena 238-240, 9th Floor Tower C  
NL - 3012NJ- Rotterdam, Netherlands  
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 <sup>3</sup> 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**

<b>Appearance</b>	Pellets, granules
<b>Physical state</b>	Solid
<b>Color</b>	White to off-white

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

## 10. Stability and reactivity

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

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye contact</b>	Dust contact with the eyes can lead to mechanical irritation.
<b>Skin contact</b>	Contact with dust can cause mechanical irritation or drying of the skin.
<b>Ingestion</b>	May cause irritation of the mouth, throat and stomach.
<b><u>Symptoms</u></b>	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**

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	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**

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

**12. Ecological information**

<b><u>Ecotoxicity</u></b>	Material in pellet or bead form may mechanically cause adverse effects if ingested by waterfowl or aquatic life. Avoid release to the environment. .
<b>Unknown aquatic toxicity</b>	0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.
<b><u>Persistence and degradability</u></b>	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.
<b><u>Bioaccumulation</u></b>	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

**Issuing Date** 18-Nov-2020

**Revision Date** 24-sep-2024

**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

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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**