



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Hazardous Substances (Safety Data Sheets) Notice 2017. This notice is issued by the Environmental Protection Authority under sections 75 and 76(1)(b), (f), (g) and (h) of the Hazardous Substances and New Organisms Act 1996

Issuing Date 02-Dec-2020

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Revision Number 2.8

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

Product identifier

Product Name

PP Homopolymer

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, F1000HC, F1000HC2, F165HC, F180A, F2700HC, F350HC, F350HC2, FF030F2, FF035C, FP650WV, FPT300F, FPT350WV3, FT120W2, FT120WB2, FT120WV, FT140WV, FT200WV, GH12, GH12V, GH20, GH20V, GH35, GH4, H 103, H 105, H 107, H 117, H 118, H 125, H130, H 155, H 201, H 202HC, H 203, H 214, H 216, H 301, H 501HC, H 502HC, H 503, H 503HS, H 603, H 604, H 605, H 606, H 611, H357-09RSB, H521, H7058-25R, H734-52RNA, H734-52RNA2, HEM350B, HP 427J, HP 500D, HP500P, 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, PF 260GQ, PF225GQ, PF33, PF350GQ, PG 480, PG35L, PG480, PG80Q, PH0130, PH 0950, PH 0952, PM25, PM25HN, PM47N, PROXESS H33, PT400NA, Widespec, ZS-751

Other means of identification

Synonyms

1-Propene, Homopolymer

Recommended use of the chemical and restrictions on use

Recommended use

Polymer preparations and compounds

Uses advised against

No information available

Details of the supplier of the safety data sheet

Supplier

Braskem S.A.
Rua Eteno, 1561, Complexo Petroquímico de Camaçari
Camaçari, BA, CEP: 42810-000
Tel: +55 (71) 3413-3600

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

For further information, please contact

Contact Point

Product Safety Department

E-mail address productsafety@braskem.com

Emergency telephone number

Emergency telephone CHEMTREC New Zealand(Auckland): +(64)-98010034

SECTION 2: Hazards identification

GHS Classification

Not classified

Label elements

Signal word

Not classified

Hazard statements

Not classified

Other hazards which do not result in classification

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.

SECTION 3: Composition/information on ingredients

Component Information The product contains no substances which at their given concentration, are considered to be hazardous to health

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

SECTION 4: First aid measures

Description of first aid measures

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

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

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.

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 doctor if necessary.

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

Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

SECTION 5: Firefighting 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.

SECTION 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

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Prevent dust cloud.

Methods for cleaning up 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 labelled containers.

Precautions to prevent secondary hazards

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

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe 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).

Conditions for safe storage, including any incompatibilities

Storage Conditions 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.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure Limits

| Chemical name | New Zealand | ACGIH TLV | United Kingdom | Australia |
|----------------------------|-------------|-----------|----------------|-----------|
| Polypropylene 9003-07-0 | - | - | - | - |

Biological occupational exposure limits Not applicable.

Appropriate engineering controls

Engineering controls 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

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:

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.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance Pellets, granules
Physical state Solid

| | |
|------------------------|--------------------------|
| Colour | White to off-white |
| Odour | Odourless; Mild |
| Odour threshold | No information available |

Values

| | |
|--|---------------------------|
| pH | No data available |
| Melting point / freezing point | 160 - 170 °C |
| 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 |
| Vapour pressure | No data available |
| Vapour 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 |
| Explosive properties | No information available. |
| Oxidising properties | No information available. |

Other information

| | |
|-------------------------|--------------------------|
| 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 |

SECTION 10: Stability and reactivity**Reactivity**

| | |
|-------------------|-----------------------------------|
| Reactivity | None under normal use conditions. |
|-------------------|-----------------------------------|

Chemical stability

| | |
|------------------|---------------------------------|
| Stability | Stable under normal conditions. |
|------------------|---------------------------------|

Explosion data

| | |
|---|-------|
| Sensitivity to mechanical impact | None. |
|---|-------|

| | |
|--|------|
| Sensitivity to static discharge | Yes. |
|--|------|

Possibility of hazardous reactions

| | |
|---|-------------------------------|
| Possibility of hazardous reactions | None under normal processing. |
|---|-------------------------------|

Conditions to avoid

Conditions to avoid Dust formation.

Incompatible materials

Incompatible materials None known based on information supplied.

Hazardous decomposition products

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.

SECTION 11: Toxicological information

Acute toxicity

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.

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

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

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or 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 Contains no ingredients above reportable quantities listed as a carcinogen.

| Chemical name | New Zealand | IARC |
|---------------------------|-------------|---------|
| Polypropylene - 9003-07-0 | - | 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.

SECTION 12: Ecological information

Ecotoxicity

Ecotoxicity Material in pellet or bead form may mechanically cause adverse effects if ingested by waterfowl or aquatic life. Avoid release to the environment. .

Aquatic ecotoxicity

Unknown aquatic toxicity 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Terrestrial ecotoxicity There is no data for this product.

Persistence and degradability

Persistence and degradability 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.

Bioaccumulative potential

Bioaccumulation There is no data for this product.

Mobility in soil

Mobility in soil No information available.

Other adverse effects

No information available.

SECTION 13: Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of product in packaging in a way that is consistent with the Hazardous Substances (Disposal) Notice 2017 and the Act. Treat the substance using a method that changes the characteristics or composition of the substance so that the substance is no longer a hazardous substance; or export the substance from New Zealand as waste.

Contaminated packaging Do not dispose of with household waste. Do not flush to sewer. Do not allow to enter into surface water or drains.

SECTION 14: Transport information

IATA Not regulated

IMDG Not regulated

SECTION 15: Regulatory information

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

New Zealand

| | |
|---|--|
| National regulations | There are no applicable tolerable exposure limits or environmental exposure limits according to the EPA Controls for Hazardous Substances |
| Certified handlers, tracking and controlled substance license requirements | <p>Certified handlers are required for some substances. This includes for substances requiring a controlled substance license, including Class 1 explosives, vertebrate toxic agents (9.3A, B, C), and certain fumigants. Class 6.1A and 6.1B substances such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information</p> <p>Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please check the Health and Safety at Work Act 2015 for further information</p> <p>Controlled substance licenses are required to possess certain class 1 (explosive) and class 6 (vertebrate toxic agents or fumigants) substances. See Part 7 of the Health and Safety at Work Regulation 2017 for more information</p> |
| EPA New Zealand HSNO approval code or group standard | Exempt - Non-hazardous substance |

International Regulations

The Rotterdam Convention Not applicable

SECTION 16: Other information

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Revision Date 06-Apr-2026

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

Agency for Toxic Substances and Disease Registry (ATSDR)
 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
 Australian 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 Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet