

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: NOM-018-STPS-2015

Issuing Date 08-Oct-2019 Revision Date 08-Oct-2019 Revision Number 2

#### 1. Identification

Product identifier

Product Name PP Copolymer

Other means of identification

Product Code(s) Random Copolymers:

6D20, 6D43, 6D83GA, 6D83K, D5001-80, DR376.01, DS6D21, DS6D81, DS6D82, GR35, INSPIRE 382, R131-02A, R132-02A, R7021-50RNA, RCP2303, RP250, RP350, RP650,

TR3015WV2, TR3350CW2, TR3350MS, TR3400MS

Impact Copolymers:

C144-04NA, C700-35N, C702-20, C702-20NA, C7054-07NA, C7079-25RNA, C7100-50NA, C719-35RN HP, C758-80NA, CSP120NA, GI12V, GI20H, GI35V, GI50, INSPIRE 114, KN-501, LGF8100NA, PRISMA 1910, PRISMA 6810, TI2150C, TI2350C, TI2600C, TI2700X, TI2900C, TI4003F, TI4005P2, TI4006H, TI4007G, TI4015F, TI4020N, TI4040WT, TI4150WR, TI4340L2, TI4350P,TI4355W,TI4355W2, TI4360P3, TI4450M, TI4700P2, TI4900M, TI6035NB, TI6120Q4,TI6200Q4, TI6350WV, TI6550WV, TI6800WV, TI71000M,

TI7900C, TI8300C, Widespec

**Synonyms** Ethylene-propylene copolymer

Recommended use of the chemical and restrictions on use

**Recommended use** Polymer preparations and compounds

Restrictions on use No information available

Details of the supplier of the safety data sheet

#### **Supplier Address**

Braskem America, Inc. 1735 Market Street Philadelphia, PA 19103-7583 TEL: (800) 396 - 5251

Emergency telephone number

Emergency Telephone CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

1-800-424-9300 (NORTH AMERICA)

## 2. Hazard(s) identification

#### Classification

Not classified.

#### Label elements

#### **Hazard statements**

Not classified.

### Other information

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

**Synonyms** Ethylene-propylene copolymer

Chemical name	CAS No.	Weight-%
Ethylene-Propylene polymer	9010-79-1	99-100

### 4. First-aid measures

## **Description of first aid measures**

**Inhalation** Move victim 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. After contact with product

or dust:

**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, both acute and delayed

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

#### Indication of any immediate medical attention and special treatment needed

## 5. Fire-fighting measures

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

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.

**Explosion data** 

Sensitivity to mechanical impact None. Sensitivity to static discharge Yes.

Special protective actions 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.

**Other information** Refer to protective measures listed in Sections 7 and 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 labeled containers.

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

### 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

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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.

## 8. Exposure controls/personal protection

#### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

#### 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

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 Wear suitable gloves. 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.

Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust. **General hygiene considerations** 

Do not eat, drink or smoke when using this product. Take off contaminated clothing and

wash 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>		Remarks • Method
pH	No data available		None known
Melting point / freezing point	160 - 170 °C / 320 - 338	°F	
Boiling point / boiling range	No data available		None known
Flash point	No data available		None known
Evaporation rate	No data available		None known
Flammability (solid, gas)	No data available		None known
Flammability Limit in Air	Tto data available		None known
Upper flammability or explosive	No data available		
limits			
Lower flammability or explosive	No data available		
limits			
Vapor pressure	No data available		None known
Vapor density	No data available		None known
Relative density	0.9 - 0.92		
Water solubility	Negligible		
Solubility(ies)	No data available		None known
Partition coefficient	No data available		None known
Autoignition temperature	No data available		None known
Decomposition temperature	No data available		None known
Kinematic viscosity	No data available		None known
Dynamic viscosity	No data available		None known
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Other information

Explosive properties

Oxidizing properties

No information available.

No information available.

No information available.

No information available information available.

## 10. Stability and reactivity

**Reactivity** None under normal use conditions.

**Chemical stability** Stable under normal conditions.

Possibility of hazardous reactions 
None under normal processing.

**Conditions to avoid** Excessive heat. Heating in air. Dust formation.

**Incompatible materials**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.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

#### Acute toxicity

#### **Numerical measures of toxicity**

Based on available data, the classification criteria are not met

#### 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 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** The table below indicates whether each agency has listed any ingredient as a carcinogen.

**Reproductive toxicity**This product does not contain any known or suspected reproductive hazards.

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure**Based on available data, the classification criteria are not met.

**Target organ effects** Respiratory system, Eyes, Skin.

**Aspiration hazard**None of the ingredients are known to be an aspiration hazard.

#### 12. Ecological information

**Ecotoxicity** Material in pellet or bead form may mechanically cause adverse effects if ingested by

waterfowl or aquatic life. Avoid release to the environment.

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.

**Bioaccumulation** No information available.

Other adverse effects No information available.

## 13. Disposal considerations

#### Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging 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

MEX Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

TDG Not regulated

**DOT** Not regulated

IATA Not regulated

IMDG Not regulated

## 15. Regulatory information

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

#### **International Regulations**

The Montreal Protocol on Substances that Deplete the Ozone Layer

Not applicable

The Stockholm Convention on Persistent Organic Pollutants

Not applicable

The Rotterdam Convention

Not applicable

NOTE: Due to complex characteristics of this product, please contact supplier for regulatory information.

#### International Inventories

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**TSCA** Contact supplier for inventory compliance status. DSL/NDSL Contact supplier for inventory compliance status. **EINECS/ELINCS** Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. **ENCS IECSC** Contact supplier for inventory compliance status. **KECL** Contact supplier for inventory compliance status. **PICCS** Contact supplier for inventory compliance status. Contact supplier for inventory compliance status. **AICS** 

Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances **IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Philippines Inventory of Chemical Substances

### 16. Other information

NFPA Health hazards 1 Flammability 1 Instability 0 Physical and chemical

properties -

HMIS Health hazards 1 Flammability 1 Physical hazards 0 Personal protection X

#### 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

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

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The information is believed to be accurate, but it is not exhaustive and must be used only as guidance. It is based on the

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current state of knowledge of the chemical substance or mixture and is applicable to the appropriate safety precautions for the product.

## **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**