SAFETY DATA SHEET

This safety data sheet complies with the requirements of:
JIS Z 7252:2019

Issuing Date 22-Feb-2024 **Revision Date** 18-Dec-2025 **Revision Number** 1.2

1. Identification

Product Name Polypropylene Homopolymer

Synonyms 1-Propene, Homopolymer

Product Code(s) F008F, F180A

Registration Number(s) No information available

Details of the supplier of the safety data sheet

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

Emergency telephone number +1 703 527 3887 (CHEMTREC Internacional)
CHEMTREC Japan (Tokyo)+(81)-345209637

Recommended use of the chemical and restrictions on use

Recommended use Polymer preparations and compounds

Restrictions on use No information available

2. Hazard(s) identification

GHS Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Aspiration hazard	Classification not possible
Acute toxicity - Oral	Classification not possible
Acute toxicity - Dermal	Classification not possible
Acute toxicity - Inhalation (Gases)	Classification not applicable
Acute toxicity - Inhalation (Vapors)	Classification not possible
Acute toxicity - Inhalation (Dusts/Mists)	Classification not possible
Skin corrosion/irritation	Classification not possible
Serious eye damage/eye irritation	Classification not possible
Respiratory sensitization	Classification not possible
Skin sensitization	Classification not possible
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Specific target organ toxicity (single exposure)	Classification not possible
Specific target organ toxicity (repeated exposure)	Classification not possible
Acute aquatic toxicity	Classification not possible
Chronic aquatic toxicity	Not classified
Ozone	Classification not possible

GHS label elements

Hazard statements
• Not classified

Prevention
• Not applicable
Response
• Not applicable
Storage
• Not applicable
Disposal
• Not applicable

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

Pure substance/mixture Mixture

Common name Polypropylene

Chemical formula (C3-H6)x-

Chemical name	CAS No.	Weight-%	ENCS Inventory	ENCS Number	ISHL Inventory	ISHL No.
Polypropylene	9003-07-0	98-100	Existing	(6)-402	Existing	(6)-402

Pollutant Release and Transfer Register (PRTR)
Not applicable.

Industrial Safety and Health Law
ISHL Notifiable Substances
Not applicable

Harmful Substances Whose Names Are to be Indicated on the Label
Not applicable

Poisonous and Deleterious Substances Control Law
Not applicable

4. First-aid measures

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

In case of 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.

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

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

Most important symptoms/effects, acute and delayed	Product dust may be irritating to eyes, skin and respiratory system.
Note to physicians	Treat symptomatically.

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	Risk of ignition in the dust or powder form. 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.
Flammable properties	Powdered material may form explosive dust-air mixtures.
Special Extinguishing Media	None known based on information supplied.
Special protective equipment and precautions 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	Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust. Avoid contact with eyes. 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 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

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).

Storage

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

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.

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological monitoring indicator This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Environmental exposure controls No information available.

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 Wear suitable gloves. Heat resistant gloves are recommended when handling molten materials.

Skin and body protection During hot processing: Wear suitable protective clothing. Long sleeved clothing. Protective shoes or boots.

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

Property	**Values**	**Remarks • Method**
Melting point / freezing point	160 - 170 °C / 320 - 338 °F	
Initial boiling point and boiling range		No data available
Flammability		No data available
Upper/lower flammability or explosive limits		No data available
Upper flammability or explosive		No data available

limits		
Lower flammability or explosive limits		No data available
Flash point		No data available
Evaporation rate		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
pH		No data available
Viscosity		
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Water solubility	Negligible	
Solubility(ies)		No data available
Partition Coefficient (n-octanol/water)		No data available
Vapor pressure		No data available
Density and/or relative density		
Relative density	0.9 - 0.92	
Liquid Density		No data available
Bulk density		No data available
Relative vapor density		No data available
Particle characteristics		
Particle Size		Not applicable
Particle Size Distribution		Not applicable

Other information

Explosive properties	No information available
Oxidizing properties	No 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.
Explosion data	
Sensitivity to static discharge	None.
Sensitivity to mechanical impact	None.

11. Toxicological information

Acute toxicity

Numerical measures of toxicity - Product Information

No information available

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

Ingestion May cause irritation of the mouth, throat and stomach.

Inhalation May cause irritation of respiratory tract.

Skin contact Contact with dust can cause mechanical irritation or drying of the skin.

Eye contact Dust contact with the eyes can lead to mechanical irritation.

Skin corrosion/irritation Classification not possible.

Serious eye damage/eye irritation Classification not possible.

Respiratory or skin sensitization Classification not possible.

Germ cell mutagenicity Classification not possible.

Carcinogenicity Contains no ingredients above reportable quantities listed as a carcinogen.

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

Chemical name	Japan	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 Classification not possible.

STOT - single exposure Classification not possible.

STOT - repeated exposure Classification not possible.

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 There is no data for this product.

Component Information

Mobility in soil No information available.

Hazardous to the ozone layer Based on available data, the classification criteria are not met. Classification not possible.

Other adverse effects No information available.

13. Disposal considerations

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

International Regulations

IMDG Not regulated
UN number or ID number Not Regulated
Transport hazard class(es) Not Regulated

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

ADR Not regulated
Transport hazard class(es) Not Regulated

IATA Not regulated

Domestic regulations
See section 15. If product is subject to the Fire Service Law, Poisonous and Deleterious Substance Control Law, High Pressure Gas Safety Law, Ship Safety Law, and/or the Civil Aeronautics Act, the requirements that are specific to each of the laws must be followed.

Japan Not regulated

15. Regulatory information

National regulations
Pollutant Release and Transfer Register (PRTR)
Not applicable

Industrial Safety and Health Law

ISHL Notifiable Substances
Not applicable
ISHL Working Environmental Evaluation Standards - Administrative Control Levels
Subject to working environment measurements (related to Industrial Safety and Health Law Enforcement Order article 21 and Working Environment Evaluation Standards - administrative control levels). For further specification, refer to section 8 of the SDS.

Poisonous and Deleterious Substances Control Law
Not applicable
Fire Service Law:
Not applicable
Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (CSCL)
Not applicable

Ship (Marine Transportation) Safety Act
See section 14 for more information
Act on Prevention of Marine Pollution and Maritime Disaster
Subject to the Law Regarding the Prevention of Marine Pollution and Maritime Disaster and its Ordinance, Table 1- 2; category Y
Act on Port Regulation Law
See section 14 for more information
Labor Standards Act
Occupational illnesses caused by chemical substances - Labor Standards Act article 75, Enforcement Ordinance article 35 and Notification Designating Elements and Compounds of Chemical Substances and Occupational Illnesses Table 1-2 item 4-1
Water Pollution Control Act
Hazardous substance per Water Pollution Control Law article 2 and Enforcement Order article 2
Waste Management and Public Cleansing Law
Specially Controlled Industrial Waste per the Waste Management and Public Cleansing Law, article 2, and Cabinet Order, article 2-4
Sewerage Act
Sewerage Act article 12-2 and Enforcement Order article 9-4
Waterworks (Water Supply) Act
Waterworks (Water Supply) Act article 4 legally binding water quality standards
Air Pollution Control Law
Air pollutants with regulated emissions standards, Air Pollution Control Act article 3
Volatile organic compound per Air Pollution Control Law article 2, paragraph 4
Hazardous air pollutants (HAPs) per Air Pollution Control Law article 2, paragraph 1, item 3 and Enforcement Order article 1

International Regulations

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention

International Inventories
Contact supplier for inventory compliance status

16. Other information

Issuing Date 22-Feb-2024

Revision Date 18-Dec-2025

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

Legend
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	Ceiling	Maximum limit value
Sk*	Skin designation	+	Sensitizers

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

U.S. Environmental Protection Agency ChemView Database
European Chemicals Agency
European Food Safety Authority (EFSA)
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)
National Institute of Technology and Evaluation (NITE)
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)
U.S. 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
World Health Organization

Disclaimer

This SDS complies with the requirements of JIS Z 7253:2019 (Japan). 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