SAFETY DATA SHEET

1. Identification

Product identifier	**Polypropylene Copolymer**
Other means of identification	
SDS number	1286
Substance ID	MedSelect™ 12G50M, 12N15V, MedSelect™ 13G27M, 13N6V, MedSelect™ 13R27V, 13T10Acs279, MedSelect™ 13T25A, 13T55V, 22H3A, 22N2A, 22S2A, 22T2A, MedSelect™ 23B2A, 23D2A, 23H2A, 23K2A, MedSelect™ 23M2A, 23M2Acs038, 23M2F, MedSelect™ 23N10A, 23N2A, 23S1Acs256, 23S2A, 23T2A, 28M2A, 43S2A, AP4135-HS, AP4135-LV, AP5135-HA, AP5135-HS, AP5150-HS, AP5175-HS, AP5195-LV, AP5206-HN, AP5325-HS, AP5506-HS, AP5520-HA, AP6106-HA, AP6106-HS, AP6112-HS, AP6120-HS, P5C4K-089, P5C4K-100X, P5C4K-102, P5C4N-097X, P5C4N-105, P5C4Z-090, P5C5N-104, P5C5R-106, P5C6Z-075, P5C7B-098, P5C7B-098P, P5C7B-098T, P5G2K-096, P5G2N-093, P5G2Z-095X, P5G4K-103, P5L2K-055, P5L2K-088, P5L2K-099, P5L2Z-038, P5M2Z-012, P5M4K-046, P5M4R-034, P5M4T-013, P5M5R-083, P5M6K-048, P5M6K-071X, MedSelect™ P5M6K-080, P5M6K-091, P5M6K-101, P5M6N-058A, P6C5Z-099, P6C6B-134, P6G2N-095, P6G4A-136, P6G4Z-097, P6G6Z-135, P9C9T-066, P9G1Z-055X, P9R6K-054, P9R6K-054A, P6G2Z-103
Recommended use	Industrial manufacture of packaging, housewares, textiles and construction.
Recommended restrictions	This material is not intended for use in the manufacture of any form of implanted medical or surgical device. Take precautionary measures against static discharge.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer	INV Polypropylene, LLC 118 Huntsman Way Longview, TX 75602 United States
Supplier	INV Polypropylene, LLC 4111 E. 37th Street North Wichita, KS. 67220 United States
Emergency telephone	
CHEMTREC (US)	800-424-9300
CHEMTREC (US-Direct Dial)	703-527-3887
INV Polypropylene, LLC (after business hours)	432-296-1674
Telephone numbers - Customer Service	316-828-5190 (M-F, 8-4:45 CST)
e-mail	sds@invista.com

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Combustible dust
Label elements	
Hazard symbol	None.
Signal word	Warning
Hazard statement	May form combustible dust concentrations in air (during some types of processing, e.g., grinding).

Precautionary statement

Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.

Hazard(s) not otherwise classified (HNOC) May form explosible dust-air mixture if small particles are generated during further processing, handling, or by other means.

Supplemental information None.

3. Composition/information on ingredients

Substances

Chemical name	Common name and synonyms	CAS number	%
1-Propene, Polymer with Ethene		9010-79-1	98 - 100

Composition comments Other components may be present but do not meet reporting requirements or fall below reportable levels.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Do not peel polymer from the skin. Wash off with soap and water. Get medical attention if irritation develops or persists.

Eye contact Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed Dusts may irritate the respiratory tract, skin and eyes.

Indication of immediate medical attention and special treatment needed Treat symptomatically.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid creating airborne dust. Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards May form combustible dust concentrations in air.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. The product is immiscible with water and will spread on the water surface. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water. Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Explosion-proof general and local exhaust ventilation. Static electricity and formation of sparks must be prevented. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. To maintain product quality, do not store in heat or direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits	This substance has no PEL, TLV, or other recommended exposure limit.
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear suitable protective clothing.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Pellets.
Color	Colorless.
Odor	Slight to none.
Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	> 290 - < 330 °F (> 143.33 - < 165.56 °C)
Initial boiling point and boiling range	Not available.

Flash point	>650 °F (>343.33 °C) Pensky-Martens Closed Cup
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not applicable.
Explosive limit - lower (%) temperature	Not applicable.
Explosive limit - upper (%)	Not applicable.
Explosive limit - upper (%) temperature	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not available.
Relative density (liquid)	Not available.
Solubility(ies)	
Solubility (water)	Insoluble.
Partition coefficient (n-octanol/water)	Not applicable.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not applicable.
Other information	
Density	> 0.89 - < 0.91 g/ml @ 77°F (25°C)
Dust explosion properties	
Kst	101 bar.m/s (NFPA 68) (as polypropylene)
St class	1 (NFPA 68) (as polypropylene) Weak explosion.
Minimum explosible concentration (MEC)	30 g/m³ (with median mass particle size of 25 µm-NFPA 68) (as polypropylene)
Minimum ignition energy (MIE) - dust cloud	> 25 - < 400 mJ (NFPA 68) (as polypropylene)
Minimum ignition temperature (MIT) - dust cloud	788 °F (420 °C) (no antioxidant; NFPA 499) (as polypropylene)

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials. Minimize dust generation and accumulation.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Dust may irritate respiratory system.
Skin contact	Dust or powder may irritate the skin.
Eye contact	Dust may irritate the eyes.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Dusts may irritate the respiratory tract, skin and eyes.

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	Not inherently biodegradable.
Bioaccumulative potential	Based on the physical properties of this product, bioaccumulation would not be expected.
Mobility in soil	Insoluble in water.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulation.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SARA 304 Listed - Not applicable. TSCA Section 12(b) Export Notification - Not regulated. Clean Air Act Section 112 Hazardous Air Pollutants (HAPs) List - Not regulated. Clean Air Act Section 112(r) Accidental Release Prevention (40 CFR 68.130) - Not regulated. Safe Drinking Water Act (SDWA) - Not regulated
Toxic Substances Control Act (TSCA)	All components of the mixture on the TSCA 8(b) inventory are designated “active”.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Combustible dust

SARA 313 (TRI reporting)

Not regulated.

US state regulations No components subject to "Right-To-Know" legislation in the following States: Massachusetts, New Jersey, Pennsylvania, Rhode Island

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

16. Other information, including date of preparation or last revision

Issue date August-30-2022

Revision date August-02-2024

Version # 6.1

HMIS® ratings

Health: 0
Flammability: 2
Physical hazard: 0

NFPA ratings

Health: 0
Flammability: 2
Instability: 0

Disclaimer

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Revision information Product and Company Identification: Synonyms