

Pellets Pads SAFETY DATA SHEET (SDS)

1. Identification

Product Identifier: White-White Plastic Granules - 180

Other Means of Identification: HDPE Granules, Batch Number 180

Recommended Use: Plastic molding, extrusion, injection molding, and other polymer processing applications.

Restrictions on Use: Not for food contact unless specified.

Distributor:

EQUINIQUE

Udden 2, 19792 Bro, Sverige

Phone: 08-7200051

Email: info@equnique.se

Website: www.equnique.se

Emergency Phone Number: For emergencies, contact local poison control or emergency services.

2. Hazard(s) Identification

Classification:

- Combustible dust (may form combustible dust concentrations in air during processing).
- Not classified as hazardous under GHS/CLP criteria for other hazards.

Label Elements:

- Signal Word: Warning
- Hazard Statements: May form combustible dust concentrations in air.
- Precautionary Statements:
 - Prevention: Keep away from heat, sparks, open flames, hot surfaces. No smoking. Prevent dust accumulation.
 - Response: In case of fire, use appropriate media to extinguish.
 - Storage: Store in a cool, dry place.
 - Disposal: Dispose of contents/container in accordance with local regulations.

Other Hazards:

- Molten material can cause thermal burns.
- Spilled granules may create a slipping hazard.
- Static electricity may accumulate during handling.

3. Composition/Information on Ingredients

Substance/Mixture: Mixture

Chemical Name: High-Density Polyethylene (HDPE)

CAS Number: 9002-88-4

Concentration: >98%

Other Ingredients: Proprietary additives (stabilizers, pigments)

No impurities or stabilizing additives present that are classified as hazardous.

4. First-Aid Measures

Inhalation: Remove to fresh air. If breathing is difficult, seek medical attention.

Skin Contact: Wash with soap and water. For molten material, cool with water (do not remove adhered material); seek medical attention for burns.

Eye Contact: Flush with water for at least 15 minutes. Remove contact lenses if present. Seek medical attention if irritation persists.

Ingestion: If swallowed, do not induce vomiting. Seek medical attention if large amounts are ingested.

Most Important Symptoms/Effects: Mechanical irritation from dust; thermal burns from molten material.

Indication of Immediate Medical Attention: Treat symptomatically for burns or irritation.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide.

Unsuitable Extinguishing Media: Do not use high-pressure water jet as it may scatter material.

Specific Hazards: Combustible dust explosion hazard. Thermal decomposition may produce carbon monoxide, carbon dioxide, and hydrocarbons.

Special Protective Equipment: Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Personal Precautions: Avoid dust formation. Use personal protective equipment. Eliminate ignition sources.

Environmental Precautions: Prevent entry into waterways or sewers. Plastic pellets may harm aquatic life if released.

Methods for Containment and Cleanup: Sweep or vacuum up spills. Avoid creating dust. Dispose of in accordance with regulations.

7. Handling and Storage

Safe Handling: Use in well-ventilated areas. Ground equipment to prevent static buildup. Avoid contact with hot surfaces.

Safe Storage: Store in cool, dry, well-ventilated area away from incompatible materials (strong oxidizers). Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

- Particulates (dust): OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable); ACGIH TLV 10 mg/m³ (inhalable), 3 mg/m³ (respirable).

Engineering Controls: Use local exhaust ventilation to control dust.

Personal Protective Equipment:

- Eyes: Safety glasses or goggles.
- Skin: Gloves (heat-resistant for molten material).
- Respiratory: Dust mask if ventilation is inadequate.
- Other: Protective clothing as needed.

9. Physical and Chemical Properties

Appearance: White granules/pellets

Odor: Odorless or faint hydrocarbon

Odor Threshold: Not applicable

pH: Not applicable

Melting Point: 125-135°C

Boiling Point: Not applicable

Flash Point: Not applicable (>300°C auto-ignition)

Evaporation Rate: Not applicable

Flammability: Combustible solid

Vapor Pressure/Density: Not applicable

Specific Gravity: 0.94-0.97

Solubility: Insoluble in water

Partition Coefficient: Not available

Auto-Ignition Temperature: >300°C

Decomposition Temperature: >300°C

Viscosity: Not applicable

10. Stability and Reactivity

Reactivity: Non-reactive under normal conditions.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None under normal conditions.

Conditions to Avoid: Excessive heat (>300°C), dust accumulation, static discharge.

Incompatible Materials: Strong oxidizers, halogens.

Hazardous Decomposition Products: Carbon oxides, hydrocarbons.

11. Toxicological Information

Acute Toxicity: Low toxicity. LD50 (oral, rat) >2000 mg/kg.

Skin/Eye Irritation: Mechanical irritation possible.

Respiratory/Skin Sensitization: Not a sensitizer.

Germ Cell Mutagenicity: Not mutagenic.
Carcinogenicity: Not classified (IARC, NTP, OSHA).
Reproductive Toxicity: No effects.
Chronic Effects: None known.
Routes of Exposure: Inhalation (dust), skin contact (molten).

12. Ecological Information

Ecotoxicity: Low toxicity to aquatic life. Pellets may cause physical harm to wildlife if ingested.
Persistence/Degradability: Not biodegradable.
Bioaccumulation Potential: Low.
Mobility in Soil: Low mobility.
Other Adverse Effects: Avoid release to environment.

13. Disposal Considerations

Disposal Methods: Recycle where possible. Dispose of in accordance with local, state, and federal regulations. Incineration or landfill for non-recyclable waste. Not a hazardous waste under RCRA.

14. Transport Information

UN Number: Not regulated.
Proper Shipping Name: Not applicable.
Transport Hazard Class: Not classified as dangerous goods (DOT, IATA, IMDG).
Packing Group: Not applicable.
Environmental Hazards: Not a marine pollutant.

15. Regulatory Information

US Regulations: TSCA listed. Not SARA 302/313 reportable.
EU Regulations: REACH compliant. Not classified under CLP.
Other: Complies with relevant Swedish and EU safety regulations. This SDS is prepared in accordance with Regulation (EC) No. 1907/2006 (REACH) and (EU) 2020/878.

16. Other Information

Date of Preparation: February 28, 2026
Revision Information: Initial version.
Disclaimer: Users should verify suitability for their specific application. No warranty is expressed or implied.