



TECHNICAL NOTE
MATERIAL SAFETY DATA SHEET
For ERS Products

Section 1. Chemical Product and Company Identification

Trade Name: Polypropylene
Supplier: ERS SuDS
Synonym: Polypropylene, Homopolymer
This **MSDS** covers all prime homopolymer polypropylene grades.
This MSDS also covers experimental grades which are homopolymers including recycle PP

MSDS Name: Polypropylene
Chemical Family: Polymer
Manufacturer: Various

Section 2. Composition and Information on Ingredients

Name: Polypropylene
% by Weight: 100
Exposure Limits: Not Available

Section 3. Hazards Identification

Physical State and Appearance: Solid in plates or cells
Emergency Overview: None.
Routes of Entry: None
Eyes: None
Skin: None
Inhalation: Negligible at room temperature.
Ingestion: No effects are expected for ingestion of small amounts. May be a choking hazard.

Potential Acute Health Effects

CARCINOGENIC EFFECTS: Polypropylene is not a known carcinogen. Classified NONE by NTP, NONE by OSHA, 3 (Not classifiable for humans) by IARC.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

Medical Conditions Aggravated by Overexposure

There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate any medical condition.

Overexposure/Signs/Symptoms No information available.)

Section 4. First Aid Measures

Eye Contact: Rinse with water for a few minutes. Seek medical attention if necessary.

Skin Contact: **Polymer:** NO known EFFECT on skin contact, rinse with water for a few minutes

Inhalation: Allow the victim to rest in a well-ventilated area.

Ingestion: No First Aid procedures are needed.

Notes to Physician: Not available.



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Section 5. Fire Fighting Measures.

Flammability of the Product: May be combustible at high temperature.

Auto-ignition Temperature: Not available

Flash Points Not available

Flammable Limits: Not available

Products of Combustion: Carbon oxides (CO and CO₂) and soot.

Fire Hazards in Presence of Various Substances; No specific information is available regarding the flammability of this product in presence of various materials

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not expected.

Risk of explosion from dust accumulation of this product is possible.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemicals, CO₂, water spray, halon, or foam.

LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.

Protective Clothing (Fire): Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

Special Remarks on Fire Hazards: Fire may produce irritating gases and dense smoke.

Special Remarks on Explosion Hazards: Processing or material handling equipment may generate dust of sufficiently small particle size.

Section 6. Accidental Release Measures

Small Spill and Leak: Not possible

Large Spill and Leak: Not possible.

Section 7. Handling and Storage

Handling In solid pieces, bundles or pallet

Storage Keep in a cool ventilated place not exposed to direct sun light. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls: None

Personal Protection

Eyes None

Body No special protective clothing is required.

Respiratory Ventilation is normally required when handling this product at high temperatures. Wear appropriate respirator when ventilation is inadequate.

Hands None.

Feet Normal protective shoes.

Personal Protection in Case of a Large Spill None

Product Name: Polypropylene

Exposure Limits Not available

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Solid in injected plates or cells
Molecular Weight	Not available
Molecular Formula:	(C3H6)
pH (1% Sol n/Water)	Not applicable
Boiling/Condensation Point:	Not available
Melting/Freezing Point:	120 to 170°C (248 to 338°F)
Critical Temperature	Not available
Specific Gravity	0.91 to 0.97 (Water = 1)
Vapor Pressure	Not available
Vapor Density	Not available
Odor Threshold	Not available
Evaporation Rate	Not available
VOC	Not available
Viscosity	Not available
Log K	Not available
Iconicity (in Water)	Not available
Dispersion Properties	Not available
Solubility in Water	Insoluble in water
Physical Chemical Comments:	No additional remark

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable. Avoid temperatures above 300 degree C (570 F).

Conditions of Instability No additional remarks

Incompatibility with Various Substances: Incompatible or reactive with fluorine gas, oxidizing agents (nitric acid and perchloric acid), free halogens, benzene, petroleum ether, gasoline and lubricating oils, and aromatic and chlorinated hydrocarbons

Hazardous Decomposition Products Hazardous decomposition products are carbon monoxide & carbon dioxide.

Hazardous Polymerization: No.

Section 11. Toxicological Information

Toxicity to Animals Not available

Chronic Effects on Humans: CARCINOGENIC EFFECTS: Classified NONE by NTP, NONE by OSHA. 3 (Not classifiable for human.) by IARC

Other Toxic Effects on Humans: Not considered to be dangerous to humans, according to our database.

Special Remarks on Toxicity to Animals: No additional remark

Special Remarks on Chronic Effects on Humans: No additional remark.

Special Remarks on Other Toxic Effects on Humans: No additional remark.

Section 12. Ecological Information

Eco toxicity: Not available

BOD5 and COD Not available

Biodegradable/OECD Not available

Mobility Not available

Toxicity of the Products of Biodegradation Not available

Special Remarks on the Products of Biodegradation. No additional remark.

Section 13. Disposal Considerations

Waste Information Transfer to an approved disposal area in accordance with federal, state, and local regulations.

Waste Stream Not available.

Consult your local or regional authorities.

Section 14. Transport Information *(for bulk shipments, non-bulk shipments may differ)*

DOT Classification for Bulk Shipments (non bulk shipments may differ) Not a DOT controlled material (United States).

DOT Proper Shipping Name Not applicable

UN Number Not applicable

Packing Group Not applicable

USCG Proper Shipping Name Polypropylene

Marine Pollutant Not listed

Hazardous Substances Reportable Quantity Not listed

Special Provisions for Transport Not applicable

TDG Classification Not controlled under TDG (Canada).

ADR/RID Classification Not controlled under ADR (Europe).

IMO/IMDG Classification Not controlled under IMDG.

ICAO/IATA Classification Not controlled under IATA

Section 15. Regulatory Information

HCS Classification This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. Federal Regulations:

TSCA inventory: All components are listed or exempted.

SARA 301/302/303

No chemicals in this product are listed as extremely hazardous substances in 40 CFR 355,

Emergency Planning and Notification (Appendix A to Part 355).

SARA 304

No chemicals in this product require reporting under the requirement of 40 CFR 355, Emergency Planning and Notification (SARA extremely hazardous substances listed in Appendix A to Part 355 or CERCLA hazardous substances listed in Table 302.4 of 40 CFR Part 302).

SARA 313

This product contains no chemicals in excess of the applicable de minimis concentration that are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Table 372.65).

SARA 311/312

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and as such does not require reporting under the requirements of 40 CFR 370, Hazardous Chemical Reporting: Community Right-To-Know. Specific state and local regulations should be consulted to determine if there are any additional requirements. Because many states and localities have added requirements or incorporated the Federal contents in their own forms, Tier I & II forms should be obtained from the State Emergency Response Commission (SERC).

Clean water act (CWA) 307: No products were found.
Clean water act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.

International Regulations

WHMIS (Canada) Not controlled under WHMIS (Canada). CEPA DSL: Polypropylene
EINECS Not available.
DSCL (EEC) Not controlled under DSCL (Europe).
International Lists No products were found.
State Regulations No products were found
California prop. 65: There are no Proposition 65 chemicals present in our polypropylene resins at levels that would require a warning under the California Safe Drinking Water and Toxic Enforcement Act.

Section 16. Other Information: NONE

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

