



MATERIAL SAFETY DATA SHEET (MSDS)

Section 1. Product and Company Identification

Product Name: **FRX CO 35 Polyphosphonate Copolymer**
CAS #: 77226-90-5
Chemical Family: Thermoplastic Polymer
Chemical Name: Polycarbonate/Polyphosphonate Copolymer
Manufacturer: FRX Polymers
200 Turnpike Road
Chelmsford, MA 01824
FRX Information Telephone: 978-244-9500
978-250-4533 (Fax)
Emergency Telephone: 800-424-9300 (CHEMTREC)

Section 2. Hazards Identification

Emergency Overview:

- Caution: Color: yellow/clear; Form: solid pellets; Odor: slight.
- Contact with hot material will cause burns.
- Irritating gases/fumes may be given off during thermal decomposition.
- Causes a slipping hazard when spilled.

HAZARDOUS MATERIALS LABEL RATING (ESTIMATE)

Health	0
Flammability	0
Physical Hazard	0

0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe
*=Chronic Health Hazard

Primary Routes of entry:

Inhalation, Skin Contact, Eye Contact

Inhalation (Acute)

Gases and fumes evolved during the thermal processing or decomposition may irritate the respiratory tract

Skin Contact (Acute)

No absorption hazard when used normally
Contact with heated material may cause thermal burns

Eye Contact (Acute)

Contact with dust may cause mechanical irritation

Chronic Effects of Exposure

No adverse chronic health effects expected

Carcinogenicity

No substances contained, as defined by IARC, NTP and/or OSHA

Section 3. Composition / Information on Ingredients

Hazardous Components

This material does not contain hazardous materials according to 29CFR1910.1200 (OSHA Hazard Communication Standard)



Other Components

Section 4. First Aid Measures

Inhalation	During heating, irritation may be caused by processing fumes and/or gases. If irritation develops, remove to fresh air. If irritation persists, seek medical attention.
Eye Contact	Flush eyes with water for at least 20 minutes. Hold eyelids open during flushing. If irritation persists, seek medical attention
Skin Contact	Wash with soap and water. If irritation persists, seek medical attention. Seek medical attention immediately for thermal burns

Section 5. Fire Fighting Measures

Extinguishing Media:	Use Water spray, foam, dry chemical, carbon dioxide or appropriate foam.
Special Fire Fighting Procedures:	Full protective clothing and equipment, including self-contained breathing apparatus (SCBA) must be worn when entering the fire area.
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide, and phosphoric acid vapors are evolved during thermal decomposition

Section 6. Accidental Release Measures

Spilled material may cause floors and contact surfaces to become slippery. Clean up spills immediately. Wear respirator, protective clothing and gloves. Vacuuming or wet sweeping is preferred. Return all material possible to container for proper disposal.

Section 7. Handling and Storage

Storage	Store in a cool dry place.
Handling	Handle in accordance with good safety and industrial hygiene practices. Use only with adequate ventilation and avoid breathing dusts or vapours. Avoid contact with eyes, skin or clothing. Wash hands thoroughly with soap and water after handling

Section 8. Exposure Control and Personal Protection

Exposure limits have not been established for this material or are not applicable

Engineering Controls / Ventilation	Local exhaust is recommended to limit exposure to excessive dust and airborne concentrations.
Respiratory Protection	Follow the OSHA respirator regulations, wear a NIOSH-



approved respirator

Skin Protection

When handling molten material, wear heat-resistant gloves.

Eye Protection

During normal handling, wear safety glasses with side-shields or chemical goggles. When handling molten material, wear face shield with chemical-resistant goggles

Section 9. – Physical and Chemical Properties

Physical State	Solid
Appearance	Pellets
Color	Yellow / Clear
pH	Not Applicable (NA)
Flash Point	> 450 ° C
Melting Point	220 - 250 ° C
Softening Point	120 ° C
Boiling Point, at 760 mm	NA
Solubility In Water	Insoluble
Vapor Pressure, at 75 degrees F.	Not determined

Section 10. Stability and Reactivity

Stability	Stable, under normal temperature and pressure.
Reactivity	Not reactive under recommended conditions of handling, storage, processing, and use
Incompatibilities:	None known
Hazardous Decomposition Products	By fire and thermal decomposition: carbon dioxide (CO ₂), carbon monoxide (CO), and phosphoric acid vapors.

Section 11. Toxicological Information

None established for this product.

Section 12. Ecological Information

No adverse effects reported for this product.

Section 13. Disposal Information

Dispose of waste material in accordance with federal, state and local regulations, to ensure complete and accurate classification.

Section 14. Transport Information

Land Transport (DOT)	Not Regulated
Sea Transport (IMDG)	Not Regulated
Air Transport (ICAO / IATA)	Not Regulated

Section 15. Regulatory Information



OSHA Hazard Communication Standard
U.S. CERCLA (EPA) 40 CFR302)
SARA sections: 311,312,313

Non-Hazardous
No Components
No Components

Section 16. Contact Information

Contact Information: FRX Product Safety
Department

Telephone: 978-244-9500

MSDS Number: FRX CO 35 Polymer

Revision Date: 10/2/2009

Revision: 1.1

The information contained herein is accurate to the best of our knowledge. FRX Polymers makes no warranty of any kind, expressed or implied, concerning the safe use of this material in your process or in combination with other processes.