1. Chemical Product and Company Identification

XT® Polymer (All Grades)

Synonyms: acrylic polymer

Supplier:

Evonik CYRO LLC
379 Interpace Parkway
Parsippany, NJ 07054-0677

Product Information Number 1-207-490-4242
24 Hour Emergency Number, CHEMTREC 1-800-424-9300

Product Use: molding compound for injection molding and extrusion

2. Composition/Information on Ingredients

This material is classified as not hazardous under OSHA regulations.

Ingredients	CAS Reg. No.	Weight %
acrylic copolymer	trade secret	> 95

NJTSR # 56705700001-6737P

See Section 8, Exposure Controls/Personal Protection

3. Hazards Identification

Emergency Overview

Color: colourless or coloured
Appearance: pellets
Odor: odourless

Under normal conditions of use, this product is not expected to create any unusual industrial hazards.

Primary Routes of Exposure

Skin contact
Eye contact

Potential Health Effects

Inhalation
Dust of material can cause the following:
- mechanical irritation

Eye Contact
No hazard expected in normal use.
Dust of material can cause the following:
- mechanical irritation

Skin Contact
No hazard expected in normal use.

Ingestion
No hazard expected in normal use.

Potential Environmental Effects
See SECTION 12, Ecological Information

4. First Aid Measures

First Aid Procedures

Inhalation
No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

Eye Contact
If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists.

Skin Contact
After contact with melted product cool quickly with cold water. See a physician.

Ingestion
Ingestion is not considered a potential route of exposure.

5. Fire-Fighting Measures

Flash point	not available
Autoignition Temperature	454 °C 850 °F
Lower explosion limit	not applicable
Upper explosion limit	not applicable
OSHA Flammability Classification	none

Other Flammable Properties
Use water spray to cool containers exposed to fire.

Extinguishing Media
Use the following extinguishing media when fighting fires involving this material:
foam - dry chemical - carbon dioxide - water spray

Fire Fighting Procedures
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Procedures

Collect material and place in a disposal container. Obey relevant local, state, provincial and federal laws and regulations.

See Material Safety Data Sheet section 8, Exposure Controls/Personal Protection.

7. Handling and Storage

Handling

Avoid dust formation. During thermoplastic processing, vapours of the decomposition products referred to in section 10 are given off, which are technically unavoidable (Observe exposure threshold limit values). During thermal processing and/or machining local exhaust ventilation at processing machines is necessary.

Storage

Store in a dry place.

8. Exposure Controls/Personal Protection

Exposure Limit Information

ACRYLIC COPOLYMER

trade secret

No Occupational Exposure Values established (ACGIH, OSHA, Canada and Mexico).

Engineering Controls (Ventilation)

If use operations generate dust, use adequate ventilation.

Respiratory Protection

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Eye Protection

Use safety glasses (ANSI Z87.1 or approved equivalent).

Hand Protection

General use gloves are recommended to protect the skin from drying and irritation.

Other Protective Equipment

A safety shower and eye wash fountain should be readily available.

9. Physical and Chemical Properties

Appearance	colourless or coloured
Physical state	pellets
Odor	odourless
Flash point	not available

pH-value	not applicable
Viscosity (dynamic)	not applicable
Specific gravity (water = 1)	1.11 - 1.12 g/cm3
Vapor density (air = 1)	not applicable
Vapor pressure	not applicable
Softening Temperature	not available
Boiling Temperature	not available
Solubility in water	insoluble
Solubility (qualitative)	in e.g. esters, ketones and chlorinated hydrocarbons: readily soluble
n-Octanol/water partition coefficient	not available
Evaporation rate	not available
Odor threshold	not available
Further information	Dust explosions are generally to be expected with dust-forming organic products.

See Section 5, Fire Fighting Measures

10. Stability and Reactivity

Stability
Avoid heating to decomposition.

Conditions To Avoid
Depolymerization begins at 260 °C / 500 °F.

Incompatibility With Other Materials
No known incompatibility with other materials.

Hazardous Decomposition Products
In case of thermal decomposition, combustible vapours are formed, which are irritating to eyes and respiratory system, mainly consisting of: methyl methacrylate

Hazardous Polymerization
Product will not undergo polymerization.

11. Toxicological Information

12. Ecological Information

Information on Elimination (Persistence and Degradability)

Ecotoxicological Effect

13. Disposal Considerations

Procedures

Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. CYRO encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste.

14. Transport Information

US DOT Hazard Classification

Canadian TDG Classification

Refer to the classification US DOT

Shipment by sea IMDG/GGVSee

Proper Shipping Name

Air transport ICAO/IATA

Proper Shipping Name

15. Regulatory Information

INVENTORY INFORMATION

REACH (EU)	preregistered, registered or exempted
TSCA (USA)	listed or exempted
DSL (CDN)	listed or exempted

US FEDERAL REGULATORY INFORMATION

Component / CASRN	TPQ [lbs]	CERCLA RQ [lbs] (40CFR302.4)	SARA 302 List of EHS	SARA 313 (40CFR372)	TSCA 12b
NONE					

COMPONENT CLASSIFICATION UNDER CLEAN AIR ACT SECTION 112

Component / CASRN	Weight %	HAP	EHAP
NONE			

PRODUCT CLASSIFICATION UNDER SECTION 311/312 OF SARA (40CFR370)

NONE

US STATE REGULATORY INFORMATION

Component / CASRN	New Jersey RTK	Pennsylvania RTK	Massachusetts RTK	California Proposition 65 Cancer	California Proposition 65 Reproductive
acrylic polymer / trade secret	NO	NO	NO	NO	NO

This product contains (a) chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

CANADIAN REGULATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the MSDS contains all information required by the Controlled Products Regulations.

This is a non-controlled product.
WHMIS: NO

Component / CASRN	NPRI
NONE	

16. Other Information

	Health	Flammability	Physical Hazard
HMIS-Ratings	1	1	0
NFPA-Ratings	1	1	0

HMIS Hazard Ratings	NFPA Hazard Ratings
4 = severe	4 = extreme
3 = serious	3 = high
2 = moderate	2 = moderate
1 = slight	1 = slight
0 = minimal	0 = insignificant
N = no rating for powders	N = no rating for powders
* = chronic health hazard	

This MSDS was prepared in accordance with ANSI Z400.1-1998.

Places marked by || have been amended from the last version.

Date of printing : 09/01/2010