HDS IDENTIFICATION	
SDS Code	SDS-ADX-1235-ENG-JAN 24
# of revision	0
Review date	JANUARY 24

Advanced Composites Mexicana SA de CV

SAFETY DATA SHEET

SECTION 1: Identification of the hazardous chemical or mixture and of the supplier or manufacturer

1.1 Product name: ADX-1235 (All color codes).
1.2 Product Description: Polypropylene copolymer
1.3 Recommended use: Injection molded. Designed for commercial use only.
1.4 Manufacturer:
Mexican Advanced Compounds, S.A. DE C.V.
AV. Japan 306, San Francisco de los Romo Industrial Park.
San Francisco de los Romo, Ags.
Phone number: +52 (449) 925 40 10
1.5 Emergency contact number:

Mexico:

***Emergency number:**911

***National Communications Center / National Civil Protection System (CENACOM)**
-Mexico City and Metropolitan Area: 51 28 00 00 Exts. 11470 to 11476
-Interior of the Mexican Republic: 01 800 00 41 300
-Hours: 24 hrs., 365 days.

USA:

***CHEMTREC (USA):**+1 (800) 424-9300

SECTION 2: Hazard identification

2.1 Hazard Classification (GHS-US): Not classified as dangerous.

2.2 Pictograms and signal words:

Warning

2.3 Hazard statements:

H302+H312+H332 Harmful if swallowed, in contact with skin or if high temperature processing fumes are inhaled.

H320 Causes eye irritation due to generation of high temperature processing fumes.

Additional information:

Spilled pellets pose a slipping hazard. Dust buildup can cause explosions. Fumes from high-temperature processing can irritate eyes, nose, throat and skin.

2.4 Precautionary measures:

P103 Read label before use.
P210 Keep away from heat, sparks, flames, hot surfaces and other ignition sources.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P301 + P330 + P331 If swallowed, rinse mouth. Do not induce vomiting.
P305 + P351 + P338 In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs, rinse or wash affected areas. Consult a doctor.
P304+P340 In case of inhalation, remove the person to fresh air and keep in a position that facilitates breathing.
P370 + P378 In case of fire, use water spray, dry chemical powder, foam or carbon dioxide to extinguish.
P403 Store in a well-ventilated place.
P502 Ask the manufacturer or supplier for information on recovery or recycling.

2.5 Irritation

When heated, this polymer may release fumes and/or vapors that irritate the eyes, nose, throat, and skin. Overexposure to fumes or vapors may also cause headache, nausea, shortness of breath, and coughing.

SECTION 3:Composition/Information on Ingredients

Components	CAS registry number	Weight %
Ethylene-propylene copolymer	9010-79-1	98-100

SECTION 4: First aid measures

4.1 Most important effects: Molten plastic can cause severe thermal burns.

4.2 First aid:

4.2.1 Skin contact: If skin irritation or rash occurs, rinse or wash affected areas. Seek medical advice/attention if irritation persists. If you come into contact with molten polymer, cool immediately with cold or ice water. Do not attempt to remove any solidified material without medical assistance. Seek medical attention immediately. For most burns, it may be advisable to allow the solidified material to fall off on its own. Attempted removal may result in further damage to the skin and underlying tissue. If removal is indicated (e.g., the solidified material is on a critical part of the hand or face), removal with mineral oil is recommended.

4.2.2 Eye contact:If you come into contact with molten polymer, immediately flush your eyes with plenty of cool water for at least 15 minutes. Do not rub your eyes. Get medical attention immediately.

4.2.3 Ingestion:If swallowed, contact a physician or Poison Control Center as appropriate whenever any foreign object is swallowed. Rinse mouth. DO NOT induce vomiting.

4.2.4 Inhalation: If irritation or dizziness occurs, remove to fresh air and remain at rest in a position comfortable for breathing. Seek medical advice/attention.

4.3 Acute and delayed effects:

***4.3.1 Skin contact*:**Prolonged exposure may cause irritation, rash, or allergic skin reaction. Wash hands, other exposed areas, and clothing regularly. Seek medical attention if conditions persist.

4.3.2 Eye contact, inhalation: Dust and fumes may cause irritation to eyes, nose, throat and lungs. Flush eyes with water or move to fresh air. Seek medical attention if irritation persists.

4.3.3 Ingestion:May cause intestinal obstruction.

SECTION 5: Firefighting Measures

5.1 Flammable properties:

5.1.1 Flammability class:Class 1: Must be heated to burn. Use caution when handling material near open flames. Material will ignite when exposed to direct flame, but will not readily burn.

5.1.2 Flash point:Not established.

5.1.3 Autoignition temperature: No data available

5.2 Protective equipment for firefighters: Firefighters

Firefighters must use self-contained breathing apparatus in positive pressure mode with a full-face mask when there is a possibility of exposure to smoke, fumes, or hazardous decomposition products.

5.3 Suitable extinguishing media:

- Water spray
- dry chemical
- Foam
- Carbon dioxide

5.4 Fire extinguishing procedures: If possible, water should be applied in the form of a mist using a fogging nozzle, as this polymer is a surface-burning material. High velocity water application will spread the burning layer.

- **NOTE:**People should only perform fire fighting procedures for which they have been trained.

5.5 Hazardous combustion products: Carbon, carbon oxides, nitrogen oxides, water, acrolein, formaldehyde, other aldehydes, ketones, alcohols, fatty acids, methane, ethane, acetylene, other organic vapors and fumes.

SECTION 6. Accidental release measures

6.1 Personal precautions: Restrict access to authorized personnel wearing appropriate personal protective equipment only. Spilled pellets pose a slipping hazard.

6.2 Environmental precautions: Keep spilled material away from fire, sparks and open flame. Ensure adequate ventilation.

6.3 Protective equipment: Wear safety glasses that meet OSHA 29CFR 1910.133/ANSI Standard Z87.1 specifications where eye contact is not anticipated. Chemical safety glasses that meet OSHA 29CFR 1019.133/ANSI Standard Z87.1 specifications must be worn whenever the possibility of eye contact exists.

6.4 General procedures: Where spills are possible, a comprehensive spill response plan must be developed and implemented. Plastic pellets are listed as "significant materials" by the U.S. EPA (40CFR 122.26(b)(12)) and may need to be analyzed in a stormwater discharge permit application.

6.5 Small spill: Small spills can be swept up and recycled or disposed of.

6.6 Large spill: Wear appropriate respiratory protection and protective clothing as described in Section 8. Contain spilled material. Transfer to secure containers. In the event of an uncontrolled release of this material, the user must determine if the release is reportable under applicable laws and regulations.

SECTION 7. Handling and storage

7.1 Handling: Handling of pellets in both loading and unloading operations as well as in manufacturing can result in dust formation and necessary precautions should be taken for personal protection (see Section 8). When transferring pellets, precautions such as grounding and bonding can prevent the build-up of static electricity.

7.2 Safe storage: Store in a dry place away from moisture, excessive heat and ignition sources. Have emergency equipment available for fires and spills.

7.3 Incompatible materials: Do not store with strong oxidizing agents such as nitric acid, sulfuric acid, halogens, hydrogen peroxide and chlorinating agents.

7.4 Hygiene: Wash your hands before eating, drinking, smoking or using the bathroom.

7.5 Additional Tips: Keep containers closed and/or covered when not in use.

SECTION 8. Exposure controls and personal protection

8.1 Engineering controls: Ensure that all national/local regulations are followed. Ensure adequate ventilation, especially in confined areas. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2 Personal protective equipment:

8.2.1 Skin:Wear heat protective clothing and gloves if there is a possibility of contact with heated material.

8.2.2 Eyes and face:Wear safety glasses that meet OSHA 29CFR 1910.133/ANSI Standard Z87.1 specifications where eye contact is not anticipated. Chemical safety glasses that meet OSHA 29CFR 1019.133/ANSI Standard Z87.1 specifications must be worn whenever the possibility of eye contact exists.

8.2.3 Respiratory:Use a NIOSH-approved respirator whenever exposure may exceed established occupational exposure limits.

8.3 Occupational exposure limits

Component	Classification	Exposure limit
Polypropylene (9010-79-1)	ACGIH TLV-TWA	Not applicable
	OSHA PEL-TWA	Not applicable

SECTION 9. Physical and Chemical Properties

Property	Description
Appearance	Colored plastic beads, approximately 1/8” – 3/8” (3 mm – 10 mm) in diameter
Color	Translucent, white to off-white
Smell	Slight or no odor
Pain threshold	Not applicable
pH	Not applicable
Melting point /Freezing point	160~170°C (320~338°F)
Boiling point	None
Flash point	No data available
Evaporation rate	No data available
Inflammability	It will ignite when exposed to a direct flame, but will not burn readily.
Upper/lower limit of flammability or explosiveness	Non-explosive
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.89 – 0.93
Solubility in water	Not soluble
Autoignition temperature	No data available
Decomposition temperature	No data available

Goo	Not applicable

Note: The above physical property data are typical values and should not be construed as a product specification.

SECTION 10. Stability and Reactivity

10.1 Reactivity: Stable under recommended storage conditions (see Section 7).

10.2Chemical stability: It can be decomposed by strong oxidizing agents such as nitric acid, sulfuric acid, halogens, hydrogen peroxide and chlorinating agents.

10.3Hazardous polymerization:Not likely to be performed under recommended storage conditions.

10.4 Conditions to avoid:Avoid excessive heat, sparks or open flames. Keep away from strong oxidizing agents.

10.5 Materials to avoid:It may burn or react violently with fluorine/oxygen mixtures with 50~100% fluorine.

10.6 Hazardous decomposition:Combustion may produce carbon, carbon oxides, nitrogen oxides, water, acrolein, formaldehyde, other aldehydes, ketones, alcohols, fatty acids, methane, ethane, acetylene, and other organic vapors and fumes.

SECTION 11. Toxicological Information

11.1 Main route(s) of exposure: Contact with eyes and skin.

11.2 Potential health effects:

11.2.1 Eye contact: May cause irritation by mechanical abrasion.

11.2.2 Skin: Pellets are not expected to cause skin irritation. Contact with molten material may cause thermal burns.

11.2.3 Inhalation: Not a likely route of exposure. Process fumes may cause irritation.

11.2.4 Ingestion: May be a choking hazard if swallowed.

11.3 Immediate effects: Exposure during handling and processing may aggravate eye, skin, gastrointestinal tract, and respiratory system disorders.

11.4 Delayed effects: There is no information on the long-term health effects of exposure to this product or to the fumes and dust that may result from its handling and processing.

11.5 Acute toxicity: Not classified.

11.6 Carcinogenicity: Not classified as carcinogenic by OSHA, IARC or NTP

11.7 Reproductive toxicity: Not classified.

11.8 Aggravated medical conditions: There are no known medical conditions aggravated by exposure to this product. However, certain sensitive individuals with respiratory problems may be affected by exposure to components of processing emissions.

SECTION 12. Ecological information

12.1Ecotoxicity: There is no data available on adverse environmental effects of this product. Ecotoxicity is expected to be low due to the limited water solubility of the polymers. However, birds, fish and other wildlife may eat pellets which may clog their intestinal tract.

12.2 Persistence and degradability: This material is generally inert and insoluble and is not expected to have any adverse effects on the environment. This material can deteriorate by several mechanisms, including photo- and thermo-oxidative degradation. Photodegraded polymers also biodegrade more readily.

12.3 Bioaccumulation potential: No data available.

12.4 Mobility in soil: No data available.

12.5 Other adverse effects: No data available.

SECTION 13. Disposal considerations

13.1 Disposal of the product: All recovered material must be packaged, labeled, transported and disposed of or recovered in accordance with applicable laws and regulations and in accordance with good engineering practices. Reclaim where possible.

SECTION 14. Transport information

This product is NOT regulated as a hazardous material/dangerous good for all forms of transportation.

Regulation in Mexico:

- **UN number:**None.
- **UN proper shipping name:**None.
- **Transport hazard class(es):**None.
- **Packing group, if applicable:**None.
- **Environmental risks:**No additional information available.
- **Special precautions for user:**None.
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code (IBC):**None.

Regulation in the USA:

- **According to the DOT:**Not regulated for transport.
- **According to IMDG:**Not regulated for transport.
- **According to IATA:**Not regulated for transport.
- **UN number:**None.
- **Official United Nations shipping name:**None.
- **Transport hazard class(es):**None.
- **Packing group:**None.
- **Special precautions to be taken into account or complied with:**None.

SECTION 15. Regulatory information

15.1 USA

SARA TITLE III (Superfund Amendments and Reauthorization Act)*	
Fire	No
Pressure	No
Reactivity	No
Sharp	No
Chronic	No
302/304	This product does not contain chemicals regulated under SARA 302/304.
311/312 Hazard categories	This product does not meet the criteria for any SARA hazard category.
313 Toxic release	This product does not contain any chemicals listed under SARA 313.

*Title III Notes: This product does not contain SARA "toxic chemicals" above threshold levels.

15.2 International regulation

All ingredients in this compound are listed on the following inventories or are exempt from listing:

Country	List of notifications
Australia	AICS
Canada	ADSL
Porcelain	IECS
European Union	EINECS
Japan	ENCS/ISHL
Korea	ECL
New Zealand	NZIoC
USA	TSCA

General comments: The regulatory information presented here should not necessarily be considered exhaustive. Other local, state, federal and international regulations may also apply.

SECTION 16.Other information

- **Prepared by:**Advanced Composites Mexicana, S.A. de C.V.
- **Date of preparation:**January 2024

The information is believed to be correct, but is not exhaustive and should be used only as a guide, which is based on current knowledge of the chemical or mixture and is applicable to the appropriate safety precautions for the product.

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