

IDENTIFICACIÓN DE HDS	
SDS Code	SDS-NPI-220MSR-ENG-APR 24
# of revision	0
Revision date	APRIL 2024

# SAFETY DATA SHEET

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

**1.1 Product name:** NPI-220MSR (All color codes).

**1.2 Product description:** Mineral-filled, Impact-modified Polypropylene compound.

**1.3 Recommended use:** Injection molding. Intended for commercial use only.

**1.4 Manufacturer:**

ADVANCED COMPOSITES MEXICANA, S.A. DE C.V.

Av. Japón 306, Parque Industrial San Francisco de los Romo.

San Francisco de los Romo, Ags.

Telephone number: +52 (449) 925 40 10

**1.5 Emergency Contact Number:**

**México:**

\***Emergencies number:** 911

\***Centro Nacional de Comunicaciones / Sistema Nacional de Protección Civil (CENACOM)**

-Mexico City and Metropolitan area: 51 28 00 00 Exts. 11470 al 11476

-Interior of Mexican Republic: 01 800 00 41 300

-Schedule: 24 hrs., 365 days.

**USA:**

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

## SECTION 2: Hazard(s) Identification

**2.1 Hazard Classification (GHS-US):** Eye damage/irritation : Category 2

**2.2 Pictograms and signal word:**



**Warning**

IDENTIFICACIÓN DE HDS	
SDS Code	SDS-NPI-220MSR-ENG-APR 24
# of revision	0
Revision date	APRIL 2024

### 2.3 Hazard indications:

**H319:** Causes serious eye irritation

### 2.4 Precautionary measures:

**P264:** Wash thoroughly after handling.

**P280:** Wear protective gloves/protective clothing/eye protection/face protection.

**response**

**P305+P351+P338:** IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337+P313:** If eye irritation persists; Get medical advice/attention.

## SECCIÓN 3: Composition/Information on Ingredients

Component(s)	CAS Registry #	Weight %
Magnesium hydroxide sulfate trihydrate	12508-61-1	≥96.0 – ≤99.0 %
Magnesium hydroxide	1309-42-8	≥0.0 – ≤4.0 %
Magnesium sulfate	7487-88-9	≥0.1 – ≤0.4 %

## 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:** Quickly remove contaminated clothing and wash affected area with soap and water. Get immediate medical attention. Launder contaminated clothing before re-use.

**4.2.2 Eye contact:** In case of contact with eyes, irrigate with water for 15 minutes, occasionally lifting eyelids. Remove any contact lenses if easy to do. Seek immediate medical attention.

**4.2.3 Ingestion:** If swallowed, wash out mouth thoroughly and give water to drink. Seek immediate medical attention. Do not

**4.2.4 Inhalation:** If inhalation of the product or vapours is suspected, remove exposed person to fresh air, and give rest. Obtain immediate medical attention.

### 4.3 Acute and delayed effects:

IDENTIFICACIÓN DE HDS	
SDS Code	SDS-NPI-220MSR-ENG-APR 24
# of revision	0
Revision date	APRIL 2024

Expected to cause chemical burns to skin, eyes, respiratory system and digestive tract. Irreversible dermatitis will occur if you do not wash affected skin immediately and thoroughly. Irreversible eye damage will occur if you do not rinse affected eyes immediately and thoroughly.

## SECCIÓN 5: Fire-Fighting Measures

### 5.1 Flammable properties:

**5.1.1 Flammable class:** Class 1 – Must be heated to burn. Please use caution when handling material near open flame. Material will ignite when exposed to direct flame, but will not burn readily.

**5.1.2 Flash point:** Not established.

**5.1.3 Autoignition temperature:** 280°C (>536°F), ASTM E659

### 5.2 Protective equipment for firefighters: Firefighters

Fire fighters should wear self-contained breathing apparatus in the positive pressure mode with a full-face piece 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 fighting procedures:** If possible, water should be applied as a spray from a fogging nozzle since this polymer is a surface burning material. The application of high velocity water will spread the burning layer.

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

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

## SECCIÓN 6. Accidental Release Measures

**6.1 Personal precautions:** Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

**6.2 Environmental precautions:** Prevent product from entering water courses or drainage system.

**6.3 Methods and material for containment and cleaning up:** Stop the source of leak or release. Clean up spill as soon as possible, using appropriate techniques such as inert sorbent materials or pumping. Collect

IDENTIFICACIÓN DE HDS	
SDS Code	SDS-NPI-220MSR-ENG-APR 24
# of revision	0
Revision date	APRIL 2024

spill and place in suitable container for disposal. Wash contaminated surfaces with water and detergent, and collect washings for safe disposal.

**6.4 Precautious measures to prevent secondary hazards:** Remove combustible materials and ensure adequate ventilation.

## SECTION 7. Handling & Storage

**7.1 Handling:** Avoid skin and eye contact with the product, and inhalation of vapours, using measures as described in Section 8. Use only in a well-ventilated area. Wash hands after use. Avoid eating, drinking or smoking when working.

**7.2 Safe storage:** Keep containers closed when not in use. Keep containers in a cool, dry place away from direct sunlight.

## SECCIÓN 8. Exposure Controls & Personal Protection

**8.1 Engineering controls:** Local exhaust ventilation or use in a closed system is recommended.

**8.2 Personal protective equipment:**

**8.2.1 Respiratory protection** Dust mask

**8.2.2 Hand protection** Protective gloves (chemical gloves)

**8.2.3 Eye protection** Eye shield (goggles type)

**8.3 Occupational exposure limits**

Limit values	ACGIH (2013) ; respirable particles: 3mg/m <sup>3</sup> inhalable particles: 10mg/m <sup>3</sup>
Other: human health (DNELs, DMELs)	Not available.
Other: environmental (PNEC)	Not available.

IDENTIFICACIÓN DE HDS	
SDS Code	SDS-NPI-220MSR-ENG-APR 24
# of revision	0
Revision date	APRIL 2024

## SECCIÓN 9. Physical & Chemical Properties

Property	Description
<b>Appearance</b>	Powder or granular solid
<b>Odor</b>	Odorless
<b>Odour threshold</b>	Not available
<b>pH</b>	9-10 (when suspended in water)
<b>Melting point / Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Flashpoint</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Flamm. or expl. limits</b>	Not available
<b>Vapor pressure</b>	$< 7.1 \times 10^{-5}$ Pa at 25°C
<b>Vapor density</b>	Not available
<b>Relative density</b>	2.3
<b>Solubility</b>	Water Solubility: 0.046 g/l
<b>Partition coefficient n-octanol / water</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition temperature</b>	Emits 3H <sub>2</sub> O at 250°C, 5H <sub>2</sub> O at 400°C and SO <sub>3</sub> at above 950°C, and decomposes into magnesium oxide.
<b>Viscosity</b>	Not available
<b>Explosive properties</b>	Not available

## SECTION 10. Stability & Reactivity

**10.1 Reactivity:** Not available

**10.2 Chemical stability:** Stable under recommended storage and handling conditions.

**10.3 Hazardous polymerization:** Not available

**10.4 Conditions to avoid:** No information available.

**10.5 Incompatible materials** No information available.

**10.6 Hazardous decomposition:** Emits SO<sub>3</sub> at above 950°C.

IDENTIFICACIÓN DE HDS	
SDS Code	SDS-NPI-220MSR-ENG-APR 24
# of revision	0
Revision date	APRIL 2024

## SECTION 11. Toxicological Information

**11.1 Primary Route(s) of Exposure:** Eye and Skin Contact.

**11.2 Potential Health Effects:**

**11.2.1 Eye contact:** GMS = 23.7, certain irritant (class 5)

**11.2.2 Skin:** Primary irritancy index P.I.I = 0.3 (weak irritant)

**11.2.3 Inhalation:** Respiratory sensitisation: No data. Skin sensitisation: Non-sensitising

**11.3 Carcinogenicity:** The group uncontrolled for one year after chronic exposure for one year showed carcinogenicity with no significant statistical differences compared with the controlled group. Investigation into ecology influence by animal (IN VIVO)

**11.4 Reproductive toxicity:** Negativity at in vitro chromosomal abnormality test. Negativity at Ames test.

## SECTION 12. Ecological Information

**12.1 Ecotoxicity:** No data is available on the adverse environmental effects of this product. Ecotoxicity is expected to be low due to the limited water solubility of polymers. However, birds, fish, and other wildlife may eat pellets that may obstruct their intestinal tracts.

**12.2 Persistence and degradability:** This material is generally inert and insoluble and is not expected to have any adverse effect on the environment. This material may deteriorate by a number of mechanisms including photo- and thermo-oxidative degradation. Photodegraded polymers are also more easily biodegraded.

**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 Product Disposal:** Disposal must be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. Packaging may contain residues of the product and should be treated accordingly. Do not dump this material into sewers, on the ground, or into any body of water

## SECTION 14. Transport Information

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

IDENTIFICACIÓN DE HDS	
SDS Code	SDS-NPI-220MSR-ENG-APR 24
# of revision	0
Revision date	APRIL 2024

#### Regulation in Mexico:

- **ONU number:** None.
- **Official transportation designation of the United Nations:** None.
- **Class (s) of hazards in transportation:** None.
- **Packing group, if it is applicable:** None.
- **Environmental risks:** No additional information available.
- **Special precautions for the user:** None.
- **Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code (IBC):** None.

#### Regulation in USA:

- **In Accordance with DOT:** Not regulated for transport.
- **In Accordance with IMDG:** Not regulated for transport.
- **In Accordance with IATA:** Not regulated for transport.
- **UN Number:** None.
- **UN Proper Shipping Name:** None.
- **Transport Hazard Class(es):** None.
- **Packing Group:** None.
- **Special precautions to be aware of or comply with:** None.

## SECTION 15. Regulatory Information

### 15.1 USA

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

\* **Title III Notes:** This product contains no SARA "toxic chemicals" above threshold levels.

### 15.2 International regulation

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

Country	Notifications list
<b>Australia</b>	AICS
<b>Canada</b>	DSL
<b>China</b>	IECS

IDENTIFICACIÓN DE HDS	
SDS Code	SDS-NPI-220MSR-ENG-APR 24
# of revision	0
Revision date	APRIL 2024

<b>European Union</b>	EINECS
<b>Japan</b>	ENCS/ISHL
<b>Korea</b>	ECL
<b>New Zealand</b>	NZIoC
<b>USA</b>	TSCA

## SECTION 16. Other Information

- **Made by:** Mariana Moreno
- **Title:** Environmental Specialist
- **Date of elaboration:** April 2024
- **Information of contact:** [mariana.moreno@advcmp.com](mailto:mariana.moreno@advcmp.com)

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

The information presented herein has been obtained from sources believed to be reliable. However, because of the possibility of human or mechanical error by our sources, Advanced Composites Mexicana, S.A. de C.V., or others do not guarantee the accuracy, adequacy, or completeness of any information, and is not responsible for any errors or omissions or for any results obtained from the use of such information. We assume no liability or responsibility, expressed or implied, for errors or omissions of any kind, and no warranties or merchantability or fitness, expressed or implied, is made or is to be implied. Consequently, each user should review the information to determine whether it is adequate and appropriate to all aspects of your intended use of this material.

\*\*\*END OF DOCUMENT\*\*\*