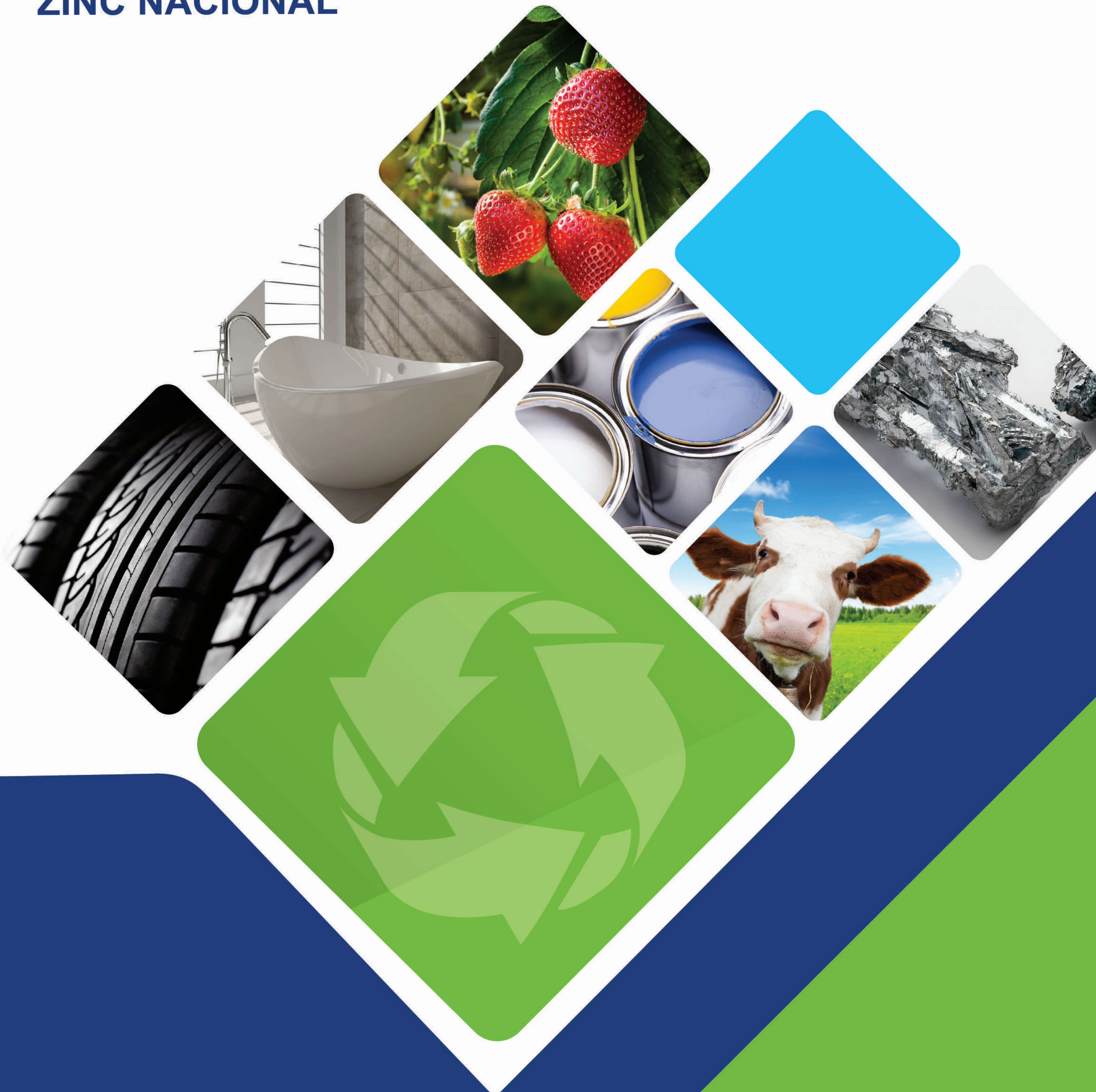


ZN

ZINC NACIONAL



Our Zinc
is everywhere, working for you...



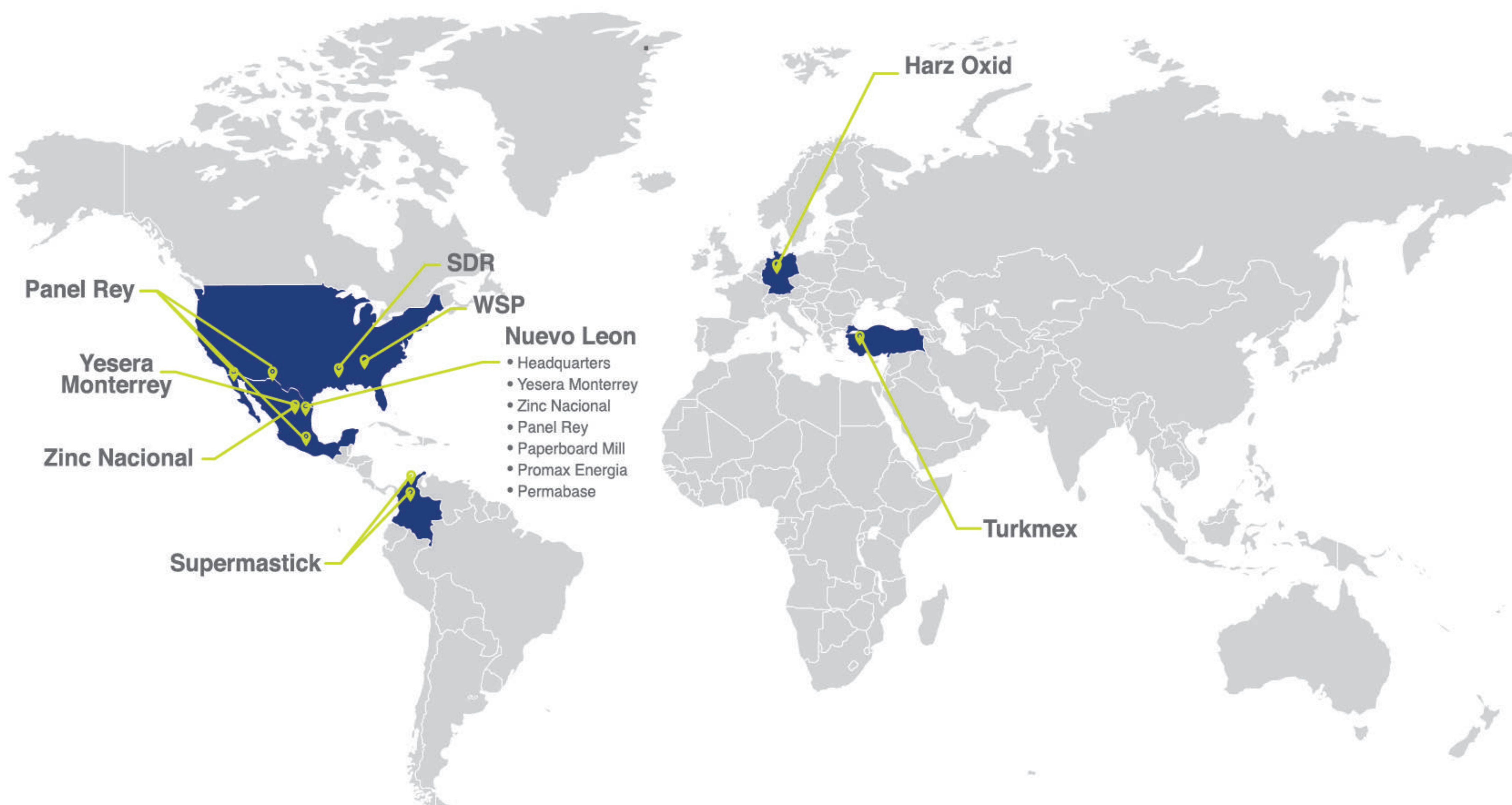
OUR COMPANY

FOUNDED IN 1952 IN MONTERREY, MEXICO, ZINC NACIONAL IS A LEADING COMPANY IN THE PRODUCTION OF ZINC COMPOUNDS. OUR MAIN PRODUCTS ARE ZINC OXIDE AND ZINC SULFATE, BOTH OF WHICH PROVIDE SOLUTIONS TO A VARIETY OF MARKETS AND INDUSTRIES.

Zinc Nacional is part of Grupo PROMAX, a group of companies serving two main divisions: Zinc and Gypsum. The group serves a wide range of industries globally, including the construction, ceramic and agricultural sectors.

Our location in northeastern Mexico situates us favorably to serve export markets. Our proximity to the United States and major shipping ports in the Gulf of Mexico and the Pacific Ocean, allows us to take full advantage of river, ocean, rail and highway transportation.

Currently, our products competitively reach over 30 countries, and our quality, service and global pricing policy, position us as leaders in the zinc oxide and zinc sulfate markets. These markets include the animal feed industry, ceramics, fertilizers, paint, rubber, and chemical industries.



OUR PRESENCE AROUND THE WORLD



Steel Dust Recycling (SDR), our Electric Arc Furnace (EAF) Dust recycling plant in Millport, Alabama operates three Waelz kilns, and has become an important zinc concentrate supplier in the North American zinc smelting industry. SDR also provides zinc units to process in our plant in Monterrey as raw material to produce zinc compounds.



Turkmex is located in the Region of Aliğa İzmir in Turkey. Our Waelz oxide facility started operations in 2017 as a joint venture made with Çinkom. Turkmex has become an important processor of Electric Arc Furnace (EAF) dust, recovering zinc.



Waelz Sustainable Products (WSP) is our new state of the art EAF dust recycling facility in Cass County, Indiana. This new operation built in partnership with Heritage Environmental Services (HES) is strategically located to serve steel mills in that region. WSP began operations during the 4th quarter of 2021.



Harz Oxid was acquired in 2020 through a JV between Jean Goldschmidt International (JGI) and Zinc Nacional. The facility is located in Goslar, Germany, and recycles EAF dust to produce Waelz oxide.



OUR PRODUCTS

ZINC NACIONAL OFFERS PRODUCTS AND SERVICES FOR A WIDE RANGE OF INDUSTRIAL SECTORS FOCUSING ON MEETING SPECIFIC MARKET NEEDS.



Animal Nutrition



Agriculture



Rubber



Paint



Mining



Ceramics



Lubricants



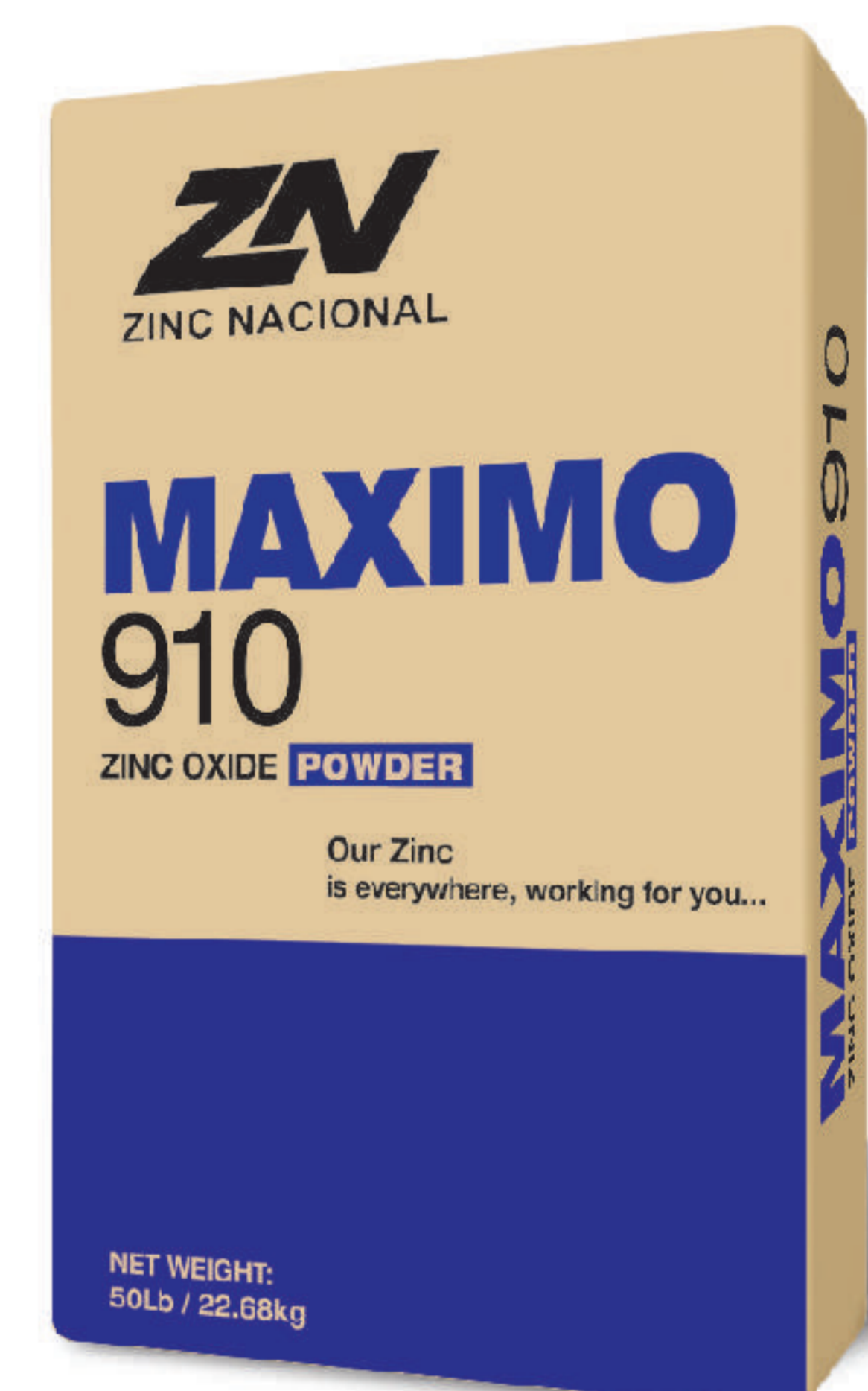
Chemical



Pharmaceutical

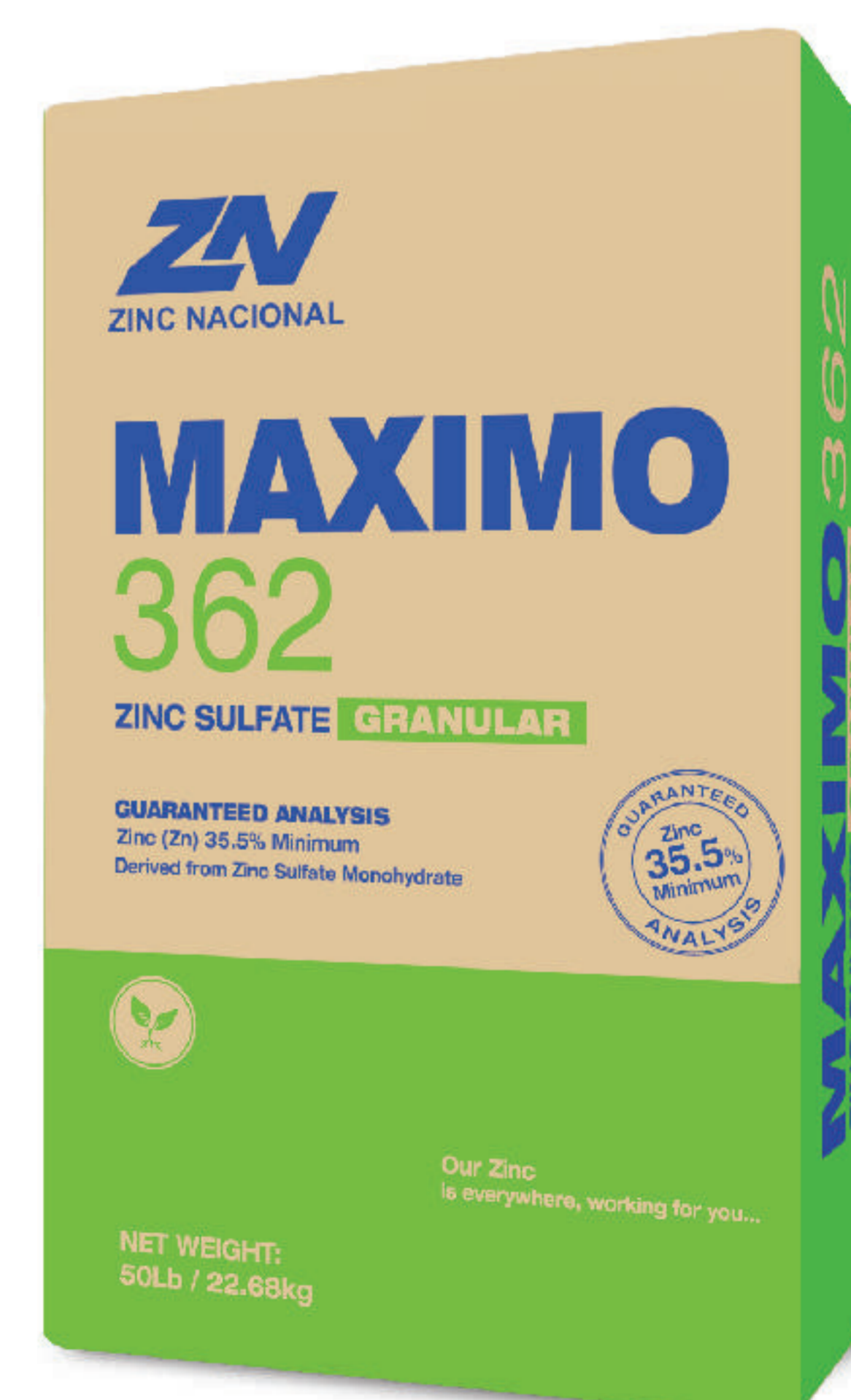
Zinc Oxide (ZnO)

Zinc Nacional produces zinc oxide by two processes, the "French" process (from SHG zinc metal) and the "American" process (from zinc concentrates and industrial by-products). Both operations are certified according to ISO 9001-2015 standards. Having both processes within a single facility gives us the ability to fulfill a broad range of customer needs. With more than 70 years of experience, our skilled production team can engineer customized zinc oxide products by modifying physical and chemical properties, such as purity, particle size, surface area, density, heavy metal content, appearance, granulation and pelletization size, flowability and surface treatments.



Zinc Sulfate Monohydrate (ZnSO₄ · H₂O)

Due to its proficiency and consistent quality, our zinc sulfate is preferred by users in industries such as mining, agriculture, animal feed, water treatment, chemical reagents, etc. Our zinc sulfate is available in various purities and physical forms, including powder, dustless powder, mini and maxi granular.



Other Products

Additionally, Zinc Nacional produces an iron concentrate used by the cement and iron smelting industries, lead sulfate purchased by lead smelters.

ANIMAL NUTRITION

Zinc is an essential micronutrient in animal diet, as it acts as a functional component of several enzyme systems critical to respiration, cellular growth, reproduction, and digestion. For this reason, zinc oxide and zinc sulfate are important ingredients for nutritional supplements in animal feed. Some species that benefit from the use of zinc are beef and dairy cattle, swine, poultry, fish and household pets.

Zinc Oxide ZnO MAXIMO 720 (72% Zn)
 ZnO MAXIMO 750 (75 ± 1% Zn)
 ZnO OXZINAL 802 (80.2% Zn)

Zinc Sulfate ZnSO₄ · H₂O MAXIMO 360 POWDER (35.5% Zn)
 ZnSO₄ · H₂O MAXIMO 361 MINI-GRANULAR (35.5% Zn)
 ZnSO₄ · H₂O MAXIMO 365 (35.5% Zn) (Powder or mini-granulated)
 HIGH PURITY
 ZnSO₄ · H₂O Maximo 365 Dustless (35.5% Zn)

 ZnSO₄ · H₂O 361 is OMRI certified.



AGRICULTURE

Zinc sulfate is vital to plants, as it is involved in the production of growth hormones and chlorophyll, as well as in the respiration process and synthesis of carbohydrates. Therefore, zinc sulfate is a great product to replenish the zinc content of depleted harvest lands and guarantee the supply of this essential element to crops grown in this soil.

Zinc Oxide ZnO MAXIMO 910 (79.5% Zn)
 ZnO OXZINAL 802 (80.2% Zn)

Zinc Sulfate ZnSO₄ · H₂O MAXIMO 360 POWDER (35.5% Zn)
 ZnSO₄ · H₂O MAXIMO 362 GRANULAR (35.5% Zn) (directly to soil)
 ZnSO₄ · H₂O MAXIMO 365 (35.5% Zn) (Powder or granular) HIGH PURITY
 ZnSO₄ · H₂O MAXIMO 363 MAXI-GRANULAR (35.5% Zn)

ZnSO₄ · H₂O 360, 362 and 363 are OMRI certified.



PAINT

Zinc oxide provides cohesion, fungicidal and anticorrosive properties to paint. Our 417W paint grade product is manufactured by closely controlling the zinc oxide's surface area, resulting in low reactivity and improved stability of our customers final products.

Zinc Oxide ZnO MAXIMO 417W (79.5% Zn)
 ZnO OXZINAL 802 (80.2% Zn)

MINING

Zinc sulfate is a impurity depressant of zinc in the flotation of minerals which contain silver, lead and copper.

Zinc Sulfate $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$ MAXIMO 360 POWDER (35.5% Zn)

CERAMICS

Zinc oxide is used in the production of frits and glazes which are used in the manufacture of floors, tiles, bathroom fixtures, tableware, ceramic ornaments and crafts within many other ceramic goods.

Zinc Oxide ZnO MAXIMO 910 (79.5% Zn)
 ZnO MAXIMO 911 (79.5% Zn)
 ZnO MAXIMO 946 (79.8% Zn)
 ZnO OXZINAL 802 (80.2% Zn)

RUBBER

Zinc oxide is a critical component that activates and accelerates the vulcanization process of tire manufacturing and rubber compounding. Many characteristics in rubber are attributed to zinc oxide, such as: thermal properties, mold shrinkage, mold cleanliness, tire abrasion and wear resistance, ultraviolet light protection and processability.

Zinc Oxide ZnO MAXIMO 946X (79.8% Zn)
 ZnO MAXIMO 955X (79.8% Zn)
 ZnO MAXIMO 920 (79.5% Zn)
 ZnO OXZINAL 802 (80.2% Zn)
 ZnO OXZINAL 821 (80.2% Zn)

All available in pellet presentation.

ZINC CONCENTRATES

Zinc concentrates produced in our facilities are used as raw material in the production of zinc metal.

Zinc Oxide ZnO MAXIMO 721 (70% Zn)
 ZnO Waelz MAXIMO 610 (62% Zn)





CERTIFICATIONS

OUR COMPANY IS CERTIFIED UNDER THE STANDARDS OF THE ISO 9001:2015, ISO 14001:2015 QUALITY MANAGEMENT SYSTEM, AND THE CERTIFICATION SCHEME OF GMP+ INTERNATIONAL.

WE ALSO OFFER RECYCLING SERVICES OF ZINC-BEARING MATERIALS GENERATED FROM THE STEEL AND GALVANIZING INDUSTRIES.





ENVIRONMENTAL RESPONSIBILITY

ZINC NACIONAL MAINTAINS A PERMANENT COMMITMENT TO, THE ENVIRONMENT AND TO SUSTAINABLE DEVELOPMENT. THIS MOTIVATES US TO CONSTANTLY CREATE, INNOVATE, AND IMPLEMENT CLEAN PROCESSES AND TECHNOLOGIES.

Zinc Nacional is a world class, socially responsible company. Our standards, principles and values are based on human dignity, the common well, solidarity, social participation, life quality, human development, transparency, scientific and ethical development and certainly, environmental care.

Our DNA is innovation, this leads us to frequent reviews of production systems, resource consumption and distribution to adapt to sustainability. Our strategic plan is based on the forecast of the entire cycle of the company not only from extractive to productive phase and consumption, but also through the final disposal of the product and its return to another lifetime of benefit to society.

We have a full-time department of environmental professionals, this in addition to hiring service specialists to audit and monitor our facilities for compliance of all standards and regulations set by the law.

Proudly, we have received the Clean Industry Certificate granted by SEMARNAT (Ministry of Environment and Natural Resources) through PROFEPA (Federal Agency for Environmental Protection).

This certificate is renewed every two years through environmental audits to ensure that our facilities and productive practices are in harmony with the environment.

Unique Environmental License

Granted by the Ministry of Environment and Natural Resources in December 1994 and updated in September 2020.

Sanitary License

Obtained from the Ministry of Health in October 2009, both for the manufacturing of salts and basic inorganic products derived from zinc.





COMMITMENT TO OUR COMMUNITY

ZINC NACIONAL TAKES AN ACTIVE AND RESPONSIBLE
ROLE WITH THE COMMUNITY.

We have successful relationship programs with our neighbors, employees and their families. Together, we perform activities to promote educational and family values.

We have developed special programs focused on reaching out to young people living in the communities close to our plant.



Minas del Diente, our old zinc mine in the Sierra Madre Oriental, is now a nature reserve with 450 acres of oaks and pines.



CORPORATE OFFICE

Serafín Peña 938 Sur, Centro
Monterrey, N.L., México, Zip Code 64000
Phone: +52(81)8342 6861, 8345 4078
sales@zincnacional.com

DISTRIBUTION CENTER

Boulevard Benito Juárez 23
Bodega No.9, San Mateo Cuatepec
Tultitlán, Estado de México, Zip Code 54948
Phone:+52(55)5705 0197, 5705 0203
ventasmexico@zincnacional.com

SDR

13209 Highway 96
Millport, Alabama, USA, Zip Code 35576
Phone:+1(205)662 8801
Fax: +1(205)662 8802
aleyva@steeldust.com
fmontemayor@steeldust.com

WSP

3440 W CR 300 S
PO Box 630
Logansport, IN 46947
Phone: +1(574) 727 7382
questions@waelzsp.com

METALLURGICAL PLANT

Pedro Galindo101, Lomas del Roble,
San Nicolás de los Garza
N.L., México, Zip Code 66450
Phone:+52(81)8376 5024, 8376 5783

TURKMEX

Çoraklar Mahallesi,
5012 Sokak, No.43, 35800
Aliağa OSB (İzmir-Çanakkale E87 Karayolu
67.km), Aliağa / İzmir / TÜRKİYE
Phone:+90(850)622 6030, 232 621 5300
infotmx@turkmex.com.tr

HARZ OXID GMBH

Hüttenstrasse 6
38642 Goslar | Germany
Phone: +49 5321 688309
info@harzoxid.com

TOLL FREE CALLS
FROM WITHIN THE US:
1 855 268 4664

