



Petronova Energy & Trading

AS A PROFESSIONAL MANUFACTURER, PETRONOVA ENERGY & TRADING HAS BEEN FOCUSING ON CHEMICALS PRODUCTION, INDUSTRIAL CLEANING SOLUTIONS, LABORATORY SUPPLIES AND CUSTOM MANUFACTURING SERVICES.

PETRONOVA ENERGY & TRADING HAS SET BENCHMARKS IN QUALITY STANDARDS. WE USE CUTTING-EDGE TECHNOLOGY TO MATCH THE EXACT COLOUR REQUIREMENT OF OUR CUSTOMERS.

WE ARE CONSTANTLY INNOVATING. OUR STATE-OF-THE-ART RESEARCH FACILITY WITH OUR TEAM OF ABLE TECHNICIANS ADDS NEW SHADES EVERY TIME TO OUR PALETTE.



OUR PACKAGING ARE MANUFACTURED USING THE FINEST QUALITY OF MATERIALS WHICH IS SAFE FOR TRANSPORTATION ON LAND, SEA AND AIR.

WE HAVE SET FOOT IN ALL CONTINENTS AND ARE STRIVING TO INCREASE OUR CUSTOMER BASE ACROSS THE GLOBE. WE CATER TO ALL KINDS OF CUSTOMIZATIONS.

EXPRESS DELIVERY, THE SAME DAY DELIVERY (LOCAL SERVICE), INTERNATIONAL CARGO/SHIPPING. COVERING AN AREA OF 100, 000 SQUARE METERS, WE NOW HAVE OVER 600 EMPLOYEES, INCLUDING MORE THAN 300 EMPLOYEES WITH SENIOR TITLE, HIGH TECHNOLOGY AND PROFESSIONAL, OWNING OUR OWN RESEARCH AND DEVELOPMENT CAPABILITIES. ANNUAL OUTPUT IS OVER 320,000MT, SALES REACHES UP TO 160,000, 000 DOLLARS, 80% OF THE PRODUCTS ARE EXPORTED TO AROUND 60 COUNTRIES AND REGIONS, SUCH AS INDIA, SOUTH KOREA, VIETNAM, INDONESIA, MIDDLE EAST, BRAZIL, SOUTH AFRICA, CHILE, AUSTRALIA, RUSSIA, UKRAINE, ETC.

PRODUCT/ SERVICES

CERIUM CHEMICAL

Technical Specifications Of Cerium Chemical Powder

Item : Cerium

Appearance : Silvery-white, ductile, and malleable metal that tarnishes in air.

Density : 6.7704 g/cm³ (at 24°C)

Melting Point : 799°C

Boiling Point : 3,443°C

Oxidation State Predominantly +3 and +4 :

Reactivity : A soft, pyrophoric metal that can ignite spontaneously in air at 65-80°C. It reacts with water, producing hydrogen gas.

Electron Configuration : [Xe]4f¹5d¹6s² or [Xe]4f²6s² (note: there are slight variations depending on the source and interpretation)

Origin : Named after the dwarf planet Ceres

Toxicity : While generally not highly toxic, contact with the metal (especially as a powder) can cause burns to skin and mucous membranes, and ingestion or inhalation may be harmful



PRODUCT/ SERVICES

CERIUM DILUTION

Technical Specifications Of Cerium Dilution

Elemental Concentration : Typically expressed as mg/l or ppm (parts per million). Examples include 1000 mg/l or 100 µg/mL (100 ppm)

Matrix : The acid used for the solution, most commonly dilute nitric acid (HNO₃). The concentration of the acid can also be specified, such as 2% HNO₃...

Product Type : Often a single-element inorganic standard for techniques like ICP (Inductively Coupled Plasma) or ICP-MS

Volume : 6The total volume of the solution, such as 100 mL or 500 mL

Certifications : Standards like ISO 17034 for reference material production, ISO 17025 for testing and calibration laboratories, and NIST (National Institute of Standards and Technology) traceability ensure accuracy and reliability

Purity : High purity, such as >99.99%

Particle Size : Specific ranges, like 10-30 nm or 50-80 nm.

BET Surface Area : A measure of the active surface area, given in m²/g



PRODUCT/ SERVICES

ATRAZINE CHEMICAL

Technical Specifications Of Atrazine

Chemical Formula: : $C_8H_{14}ClN_5$

Molecular Weight: : 215.7 g/mol

Chemical Name 2-chloro-4-ethylamino-6-isopropylamino-s-triazine

Appearance : 6A white, colorless, crystalline powder

PMelting Point 173-180 °C

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Density : Approximately 1.19 g/mL at 20°C

Solubility in Water : Low, approximately 30 mg/L at 20°C

Solubility : Completely Soluble

Vapor Pressure 3×10^{-7} mmHg at 20°C

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PRODUCT/ SERVICES

LEAD RAW MATERIAL

Technical Specifications Of Lead Raw Material

Atomic Number 82
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Atomic Mass : 207.2

Density : 11.3 g/cm³ (at 20°C)

Melting Point : 327.5 °C (621.5 °F)

Boiling Point : 1749 °C (3171.2 °F)

Oxidation States : +2, +4

Electrical Resistivity : High, at 192 nanoohm-meters at 20 °C

Superconductivity : Becomes a superconductor below a critical temperature of 7.19 K

Form : Pure lead is produced in pigs (up to 110 lb) and blocks (up to 2530 lb)

Appearance : It should be free from surface corrosion and foreign materials

Handling : lead products are handled with protective clothing and gloves, with emphasis on proper lifting and storage to prevent damage



PRODUCT/ SERVICES

ZINC RAW MATERIAL

Technical Specifications Of Zinc Raw Material

Purity Grades : Different grades exist, with "Special High Grade" often having a minimum of 99.99% zinc

Impurities : Specifications set limits for elements such as lead (Pb), iron (Fe), cadmium (Cd), aluminum (Al), copper (Cu), and tin (Sn)

Appearance : A bluish-silvery color when oxidation is removed, though commercial grades may appear duller.

Density : Approximately 7140 kg/m³.

Melting Point: 419.5 °C
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Boiling Poin : 907 °C

Crystal Structure: A distorted form of hexagonal close-packing

Malleability : Brittle at room temperature but becomes malleable and ductile between 100-150 °C (212-302 °F).

Strength & Hardness : Pure zinc is relatively weak and brittle, but alloys like ZAMAK can offer improved strength.



