



America's Leading Manufacturer of Rare Earth and Advanced Material Products

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MATERIAL SAFETY DATA SHEET

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SECTION 1.-----CHEMICAL IDENTIFICATION-----

PRODUCT CODE # : PR-OX-01
NAME: PRASEODYMIUM OXIDE

SECTION 2.-----COMPOSITION/INGREDIENT INFORMATION-----

CAS#: 12037-29-5
MF: PR6O11
EC NO: 234-857-9

SYNONYMS

HEXAPRASEODYMIUM UNDECAOXIDE * PRASEODYMIUM UNDECAOXIDE *

SECTION 3.-----HAZARDS IDENTIFICATION-----

LABEL PRECAUTIONARY STATEMENTS

IRRITANT
IRRITATING TO EYES, RESPIRATORY, AND SKIN.
IN CASE OF CONTACT TO EYES, RINSE IMMEDIATELY
WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING.

SECTION 4.-----FIRST AID MEASURES-----

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES .

IN CASE OF CONTACT, IMMEDIATELY SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5.-----FIRE FIGHTING MEASURES-----

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIRE FIGHTING PROCEDURES:

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6.-----ACCIDENTAL RELEASE MEASURES-----

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7.-----HANDLING AND STORAGE-----

SEE SECTION 8.

SECTION 8.-----EXPOSURE CONTROLS/PERSONAL PROTECTION-----

CHEMICAL SAFETY GOGGLES.

COMPATIBLE CHEMICAL RESISTANT GLOVES.

NIOSH/MSHA- APPROVED RESPIRATOR.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

AVOID INHALATION.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

WASH THOUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

HYGROSCOPIC.
ABSORBS CO2 FROM AIR.
STORE IN A COOL DRY PLACE.

SECTION 9.-----PHYSICAL AND CHEMICAL PROPERTIES-----

APPEARANCE AND ODOR
BLACK POWDER.

SECTION 10.-----STABILITY AND REACTIVITY-----

INCOMPATIBILITIES:
STRONG OXIDIZING AGENTS.
CARBON DIOXIDE.
PROTECT FROM MOISTURE.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:
NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.

SECTION 11.-----TOXICOLOGICAL INFORMATION-----

ACUTE EFFECTS:
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN
ABSORPTION.
CAUSES SKIN AND EYE IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND
UPPER RESPIRATORY TRACT.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL,
PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN
THOROUGHLY INVESTIGATED.
RTECS #: TU1480000
PRASEODYMIUM TRIOXIDE
TOXICITY DATA
IPR-RAT LD50: 5 GM/KG

SECTION 12.-----ECOLOGICAL INFORMATION-----

DATA NOT YET AVAILABLE.

SECTION 13.-----DISPOSAL CONSIDERATIONS-----

BURY IN A LANDFILL SITE APPROVED FOR THE DISPOSAL OF
CHEMICAL AND HAZARDOUS WASTES. OBSERVE ALL FEDERAL,
STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14.-----TRANSPORT INFORMATION-----

CDG UK
NON-HAZARDOUS FOR ROAD FREIGHT

IMDG
NON-HAZARDOUS FOR SEA FREIGHT
ICAO/IATA
NON-HAZARDOUS FOR AIR FREIGHT

SECTION 15.-----REGULATORY INFORMATION-----

EUROPEAN INFORMATION

IRRITANT

R 36/37/38

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

S26

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH
PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S 36

WEAR SUITABLE PROTECTIVE CLOTHING.

REVIEWS, STANDARDS AND REGULATIONS

OEL=MAK

NOES 1983: HZD X2313; NIS 5; TNF 393; NOS 7; TNE 21396; TFE
10332

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

SECTION 16.-----OTHER INFORMATION-----

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