



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 # : ND-OX-01
NAME: NEODYMIUM OXIDE

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

CAS#: 1313-97-9
MF: ND2O3
EC NO: 215-214-1

SYNONYMS

DINEODYMIUM TRIOXIDE * NEODYMIA * NEODYMIUM (III)
OXIDE * NEODYMIUM (3+)OXIDE * NEODYMIUM SESQUIOXIDE
* NEODYMIUM TRIOXIDE *

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

LABEL PRECAUTIONARY STATEMENTS
HYGROSCOPIC
ABSORBS CO2 FROM AIR.

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

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

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

EXTINGUISHING MEDIA

USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

SPECIAL FIRE FIGHTING PROCEDURES:

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

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

CHEMICAL SAFETY GOGGLES, MASK AND 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.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

HYGROSCOPIC.

STORE IN A COOL DRY PLACE.

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

APPEARANCE AND ODOR

LIGHT BLUE POWDER

PHYSICAL PROPERTIES

SPECIFIC GRAVITY: 7.240

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

INCOMPATIBILITIES:

STRONG OXIDIZING AGENTS.

PROTECT FROM MOISTURE.

ABSORBS CO2 FROM AIR.

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.

MAY CAUSE EYE IRRITATION.

MAY CAUSE SKIN IRRITATION.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL,
PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN
THOROUGHLY INVESTIGATED.

RTECS #: QP0185000

NEODYMIUM OXIDE

TOXICITY DATA

ORL-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-----

REVIEWS, STANDARDS AND REGULATIONS

OEL=MAK

NOES 1983: HZD X2049; NIS 7; TNF 414; NOS 11; TNE 25089; TFE
12490

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

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

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