



chemists helping chemists in research & industry

aldrich chemical co., inc.

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NOV 12 1992

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DATE 11/05/92
CUST#: 523216
PO#: Q D 21456

M A T E R I A L S A F E T Y D A T A S H E E T P A G E 1

IDENTIFICATION

PRODUCT #: 20355-6
CAS #: 1312-81-8 NAME: LANTHANUM OXIDE, 99.999%
MF: LA2O3

TOXICITY HAZARDS

NO TOXICITY DATA AVAILABLE

HEALTH HAZARD DATA

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
CAUSES EYE AND SKIN 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.

FIRST AID

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

PHYSICAL DATA

SPECIFIC GRAVITY: 6.510

APPEARANCE AND ODOR
WHITE POWDER

FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA
NONCOMBUSTIBLE.

USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

SPECIAL FIREFIGHTING PROCEDURES

CONTINUED ON NEXT PAGE

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PRODUCT #:

NAME:

LANTHANUM OXIDE, 99.999%

MF: LA203

- - - - FIRE AND EXPLOSION HAZARD DATA - - - -

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

- - - - REACTIVITY DATA - - - -

INCOMPATIBILITIES

STRONG ACIDS
STRONG OXIDIZING AGENTS
CARBON DIOXIDE.
PROTECT FROM MOISTURE.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.

- - - - SPILL OR LEAK PROCEDURES - - - -

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

EVACUATE AREA.
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.
WASTE DISPOSAL METHOD
BURY IN A LANDFILL SITE APPROVED FOR THE DISPOSAL OF CHEMICAL AND HAZARDOUS WASTES.

- - - - PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE - - - -

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
DO NOT BREATHE DUST.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
IRRITATING DUST.
KEEP TIGHTLY CLOSED.

CONTINUED ON NEXT PAGE

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LANTHANUM OXIDE, 99.999%

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--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

ABSORBS CO₂ FROM AIR.
HYGROSCOPIC
STORE UNDER NITROGEN.
STORE IN A COOL DRY PLACE.
LABEL PRECAUTIONARY STATEMENTS
IRRITANT
IRRITATING TO EYES AND RESPIRATORY SYSTEM.
KEEP TIGHTLY CLOSED.
HYGROSCOPIC
STORE UNDER NITROGEN.
ABSORBS CO₂ FROM AIR.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
DO NOT BREATHE DUST.
WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.

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