

UNION CARBIDE CHEMICALS & PLASTICS CO., INC. -- 11507453 NEODYMIUM DOPED YTRIUM ALUMINUM GA -- 1260-01-073-5886

===== Product Identification =====

Product ID:11507453 NEODYMIUM DOPED YTRIUM ALUMINUM GA
MSDS Date:05/01/1991
FSC:1260
NIIN:01-073-5886
MSDS Number: BPWYY
=== Responsible Party ===
Company Name:UNION CARBIDE CHEMICALS & PLASTICS CO., INC.
Address:750 S 32ND STREET
City:WASHOUGAL
State:WA
ZIP:98671
Country:US
Info Phone Num:206-835-8566
Emergency Phone Num:800-822-4357
CAGE:DO713
=== Contractor Identification ===
Company Name:UNION CARBIDE CHEM & PLASTICS CO INC
Address:39 OLD RIDGEBURY RD
City:DANBURY
State:CT
ZIP:06817-0001
Phone:203-794-6753/304-744-3487
CAGE:DO713

===== Composition/Information on Ingredients =====

Ingred Name:NEODYMIUM OXIDE
CAS:1313-97-9
Fraction by Wt: 0.85%
Other REC Limits:NONE RECOMMENDED

Ingred Name:YTRIUM OXIDE
CAS:1314-36-9
R

TECS #:ZG3850000
Fraction by Wt: 56.88%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS
FORMS) (SARA III)
CAS:1344-28-1
RTECS #:BD1200000
Fraction by Wt: 42.83%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazard
s Acute and Chronic:NO EVIDENCE OF ADVERSE EFFECTS.
Effects of Overexposure:NO EVIDENCE OF ADVERSE EFFECTS.
Medical Cond Aggravated by Exposure:NONE

===== First Aid Measures =====

First Aid:EYES: FLUSH WITH WATER. SKIN: WASH WITH SOAP AND WATER.
INHALATION: REMOVE TO FRESH AIR. INGESTION: NO HARMFUL EFFECTS.

===== Fire Fighting Measures =====

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE
F
OR SURROUNDING FIRE.

===== Accidental Release Measures =====

Spill Release Procedures:BROKEN CRYSTALS HAVE SHARP EDGES. GLOVES
SHOULD BE WORN WHEN CLEANING UP A BROKEN CRYSTAL.

===== Handling and Storage =====

Handling and Storage Precautions:NORMAL PRECAUTIONS COMMON TO SAFE
MANUFACTURING PRACTICES SHOULD BE FOLLOWED IN HANDLING AND STORAGE.
ALWAYS MACHINE A CRYSTAL USING WET METHODS.
Other Precautions:USE OF THIS CR

CRYSTAL IN LASER OPERATIONS SHOULD BE
SUPERVISED BY QUALIFIED, KNOWLEDGEABLE PERSONNEL, IN ACCORDANCE
WITH ANSI Z 136.1, THE AMERICAN NATIONAL STANDARD FOR THE SAFE USE
OF LASERS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection: IF EXCESSIVE DUSTING OCCURS WHEN MACHINING, WEAR
NIOSH OR MSHA APPROVED DUST RESPIRATOR.

Ventilation: LOCAL DUST PICK UP RECOMMENDED WHEN MACHINING.

Protective Gloves: RECOMMENDED.

Eye Protection: SAFETY GLASSES.

Other

Other Protective Equipment: NONE

Work Hygienic Practices: STANDARD PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

PROLONGED CONTACT WITH DUST OR POWDER FROM MACHINING MAY CAUSE DRYING
OF SKIN. *** NOTE: THIS IS AN ARTICLE. MANUFACTURER SUPPLIED MSDS
FOR MANUFACTURING OPERATIONS ***

===== Physical/Chemical Properties =====

HCC: N1

Melt/Freeze Pt: M.P/F.P Text: 3578F, 1970C

Spec Gravity: 4.55

Solubility in Water: NEGLIGIBLE

Appearance and Odor: TRANS

PARENT, PURPLE. NO ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

ETHYLENE OXIDE, CHROMIUM TRIFLUORIDE.

Stability Condition to Avoid: NONE

Hazardous Decomposition Products: NONE

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL REGULATIONS.

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