

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:W

A

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

RTEC

S #: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

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards A

cute and Chronic:NO EVIDENCE OF ADVERSE EFFECTS.

Effects of Overexposure:NO EVIDENCE OF ADVERSE EFFECTS.

Medical Cond Aggravated by Exposure:NONE

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

First Aid:EYES: FLUSH WITH WATER. SKIN: WASH WITH SOAP AND WATER.

INHALATION: REMOVE TO FRESH AIR. INGESTION: NO HARMFUL EFFECTS.

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

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

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

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

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===== 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 CRYST

AL 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.

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===== 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

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 ***

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===== 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:TRANSPARENT, PURPLE. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

ETHYLENE OXIDE, CHROMIUM TRIFLUORIDE.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE

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

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

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