

**MATERIAL SAFETY DATA SHEET**

 for superior quality and service
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PART#

DATE PRINTED: OCT 29, 2001

MSDS NO. NZCOAT001 OUTBOUND

Alumina/Zirconia Coated Abrasives

**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

## PRODUCT NAME

Alumina/Zirconia Coated Abrasives

## TRADE NAME

NorZon - CAP Codes: A8XX, E8XX, F8XX, H8XX, R8XX

## MANUFACTURER(4)

Norton Company

2600-10th Avenue

Watervliet, NY 12189

(518) 266-2200

## REVISION DATE

10/22/2001

## MSDS PRINT FORMAT

NUSA

**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Aluminum Oxide, Non-fibrous	15.000- 25.000	1344-28-1
Cloth or Paper Backing	45.000- 55.000	N/A
Binder System	** 10.000- 30.000	N/A
Inorganic Fluorides	** 1.000- 5.000	NA
Zirconium	20.000- 30.000	7440-67-7

\*\* SUBSTANCE IS A COMPOUND AND/OR MIXTURE

OTHER

**SECTION 3. HAZARDS IDENTIFICATION**

## INHALATION ACUTE EXPOSURE EFFECTS

Dust may be slightly irritating to eyes and respiratory tract at high concentrations.

## INHALATION CHRONIC EXPOSURE EFFECTS

Chronic: May affect breathing capacity.

For products containing phenol/formaldehyde resin, dust generated from intended use may contain trace amounts of phenol and formaldehyde which under excessive exposure may cause skin sensitization and airway obstruction.

For products containing inorganic fluorides, excessive exposure to inorganic fluorides have been shown to increase bone density.

## EYE CONTACT ACUTE EXPOSURE EFFECTS

Dust may irritate eyes.

## SKIN CONTACT ACUTE EXPOSURE EFFECTS

Some may experience skin irritation from dust.

## INGESTION ACUTE EXPOSURE EFFECTS

No known adverse effects, but ingestion not recommended.

**SECTION 4. FIRST AID MEASURES**

## INHALATION

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

## SKIN CONTACT

Wash affected areas with soap and water. Obtain medical assistance.

## EYE CONTACT

Wash with large amounts of water. Obtain first aid and medical assistance, if needed.

## INGESTION

Call poison control center, hospital emergency room or physician immediately.

**SECTION 5. FIRE FIGHTING MEASURES**

## FIRE FIGHTING PROCEDURES

Not Applicable

## HAZARDOUS PRODUCTS/COMBUSTION

None.

## HAZARD RATING SOURCE

NFPA

## HEALTH

1

## FLAMMABILITY

0

## REACTIVITY

0

## OTHER

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

## CLEAN-UP

Follow normal clean up procedures.

**SECTION 7. HANDLING AND STORAGE**

## HANDLING

Handle with adequate ventilation for nuisance dust.

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

## VENTILATION PROTECTION

Recommend using local exhaust ventilation when general ventilation is not keeping the airborne concentration below the TLV.

## RESPIRATORY PROTECTION

Respirators are required when airborne contaminant levels exceed the TLV(s).

## EYE PROTECTION

Always WEAR SAFETY GLASSES or some type of eye protection while sanding.

## OTHER PROTECTION

Use of this product may create elevated sound levels. Hearing protection should be worn where required (see OSHA 29 CFR 1910.134 and other applicable regulations).

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

## APPEARANCE &amp; ODOR

Solid article. Odorless.

**SECTION 10. STABILITY AND REACTIVITY**

## INCOMPATIBILITIES

Avoid acids of all types with a pH < 4.0.

## DECOMPOSITION

In use, dust and decomposing odors may be generated. In most cases, the material removed from the workplace will be significantly greater than the sandpaper components.

**SECTION 11. TOXICOLOGICAL INFORMATION**

## CARCINOGENICITY

Not Applicable

LD50/LC50

Values are not appropriate or available.

**SECTION 12. ECOLOGICAL INFORMATION**

## CHEMICAL FATE

Not Applicable

**SECTION 13. DISPOSAL CONSIDERATIONS**

## WASTE DISPOSAL

Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.

**SECTION 14. TRANSPORT INFORMATION**

## HAZARD CLASS

This product is not hazardous as defined by the Department of Transportation.(USA)

This product is "Not Regulated" under the Transportation of Dangerous Goods Act. (CAN)

**SECTION 15. REGULATORY INFORMATION**

SUBSTANCE DESCRIPTION	EXPOSURE LIMITS/REGULATORY INFORMATION			
	UNITS	OSHA	ACGIH	MOL
Aluminum Oxide, Non-fibrous	MG/M3	15.0000	10.0000	10.0000
Cloth or Paper Backing	PPM	0.0000	0.0000	0.0000
Binder System	PPM	0.0000	0.0000	0.0000
Inorganic Fluorides	MG/M3	2.5000	2.5000	2.5000
Zirconium	MG/M3	5.0000	0.0000	0.0000

## LEGEND:

## EXPOSURE LIMIT DESCRIPTIONS

CA PROP 65

Not Applicable

TSCA

Section 8(b) - Inventory Status

All components of this product are registered under the regulations of the Toxic Substance Control Act.

## DOMESTIC SUBSTANCE LIST

All components of this product are found on the Domestic Substance List.

**SECTION 16. OTHER INFORMATION**

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KEY TO ABBREVIATIONS:

EQ=Equal

LT=Less Than

GT=Greater Than

AP=Approximately

TR=Trace

ND=No Data available

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