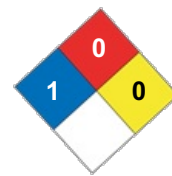


View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**ALRESIN001
OUTBOUND

Product Name: Aluminum Oxide Resin Grinding Wheel
Manufacturer MSDS.: ALRESIN001 OUTBOUND
Manufacturer Name: Saint-Gobain Abrasives, Inc.
Address: One New Bond Street
 Worcester, MA, 01606

Business Phone: (508) 795-5000
Revision Date: 1/24/2007
Trade Names: Alundum Wheel

NORTON USA FORMAT MSDS: ALRESIN001

MSDS PRINT FORMAT
NUSA**Product Codes:** 66261133434**NFPA**[To Top of page](#)**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**ALRESIN001
OUTBOUND

Ingredient Name	CAS#	Ingredient Percent
Aluminum Oxide, Non-fibrous EC Index Number: 1	1344-28-1	90.000 - 95.000%
Cured PhenolFormaldehyde Resin EC Index Number: 1	9003-35-4	3.000 - 6.000%
Fiberglass EC Index Number: 1	65997-17-3	1.000 - 3.000%
Iron Disulfide EC Index Number: 1	12068-85-8	1.000 - 3.000%

OTHER: Not Applicable

[To Top of page](#)**SECTION 3 : HAZARDS IDENTIFICATION**ALRESIN001
OUTBOUND**Applies to all ingredients:****Potential Health Effects:**

Eye Contact: ACUTE: Dust may irritate eyes.
Skin Contact: ACUTE: Some may experience skin irritation from dust.
Inhalation: ACUTE: Dust may be slightly irritating to eyes and respiratory tract at high concentrations.
Ingestion: ACUTE: No known adverse effects, but ingestion not recommended.
Chronic Inhalation: May affect breathing capacity.
 For products containing inorganic fluorides:
 Excessive exposure to inorganic fluorides have been shown to increase bone density.

Cured PhenolFormaldehyde Resin:

Chronic Inhalation: 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.

[To Top of page](#)**SECTION 4 : FIRST AID MEASURES**ALRESIN001
OUTBOUND

Eye Contact: Wash with large amounts of water. Obtain first aid and medical assistance, if needed.
Skin Contact: Wash affected areas with soap and water. Obtain medical assistance.
Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

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

[To Top of page](#)



SECTION 5 : FIRE FIGHTING MEASURES

ALRESIN001
OUTBOUND

Hazardous Combustion Byproducts: None.
Fire Fighting Instructions: Not Applicable.
NFPA

Health: 1
Flammability: 0
Reactivity: 0
Other:

[To Top of page](#)



SECTION 6 : ACCIDENTAL RELEASE MEASURES

ALRESIN001
OUTBOUND

Spill Cleanup Measures: Follow normal clean up procedures.

[To Top of page](#)



SECTION 7 : HANDLING and STORAGE

ALRESIN001
OUTBOUND

Handling: Always HANDLE AND STORE wheels in a CAREFUL manner.
Always VISUALLY INSPECT all wheels before mounting.
Always CHECK MACHINE SPEED against the established maximum safe operating speed MARKED ON THE WHEEL.
Always CHECK MOUNTING FLANGES for equal and correct diameter.
Always USE MOUNTING BLOTTERS.
Always be sure WORK REST is properly adjusted.
Always USE A SAFETY GUARD covering at least one-half of the grinding wheel.
Always allow NEWLY MOUNTED WHEELS to run at operating speed, with guard in place, for at least one minute before grinding.
Always TURN OFF COOLANT before stopping wheel to avoid creating an out-of-balance wheel.

[To Top of page](#)



SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

ALRESIN001
OUTBOUND

Ventilation System: Recommend using local exhaust ventilation when general ventilation is not keeping the airborne concentration below the TLV.
Eye/Face Protection: Always WEAR SAFETY GLASSES or some type of eye protection when grinding.
Respiratory Protection: Respirators are required when airborne contaminant levels exceed the TLV(s).
Other Protective: 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).
Exposure Limits: SUBSTANCE DESCRIPTION: Aluminum Oxide, Non-fibrous
MOL: 10.0000 MG/M3

SUBSTANCE DESCRIPTION: Cured PhenolFormaldehyde Resin
MOL: 0.0000 PPM

SUBSTANCE DESCRIPTION: Fiberglass
MOL: 0.0000 FBR/CC

SUBSTANCE DESCRIPTION: Iron Disulfide
MOL: 10.0000 MG/M3

LEGEND: EXPOSURE LIMIT DESCRIPTIONS

Ingredient Guidelines

Ingredient: Aluminum Oxide, Non-fibrous

Guideline Type: OSHA PEL-TWA
Guideline Information: 15.0000 MG/M3
Guideline Type: ACGIH TLV-TWA
Guideline Information: 10.0000 MG/M3

Ingredient: Cured PhenolFormaldehyde Resin

Guideline Type: OSHA PEL-TWA
Guideline Information: 0.0000 ppm
Guideline Type: ACGIH TLV-TWA
Guideline Information: 0.0000 ppm

Ingredient: Fiberglass

Guideline Type: OSHA PEL-TWA
Guideline Information: 1.0000 FBR/CC
Guideline Type: ACGIH TLV-TWA
Guideline Information: 0.0000 FBR/CC

Ingredient: Iron Disulfide

Guideline Type: OSHA PEL-TWA
Guideline Information: 10.0000 MG/M3
Guideline Type: ACGIH TLV-TWA
Guideline Information: 10.0000 MG/M3

[To Top of page](#)



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIESALRESIN001
OUTBOUND

Physical State/Appearance: Solid article.
Odor: Odorless.

[To Top of page](#)**SECTION 10 : STABILITY and REACTIVITY**ALRESIN001
OUTBOUND

Incompatibilities with Other Materials: Avoid acids of all types with a pH < 4.0.

Hazardous Decomposition Products: In use, dust and decomposing odors may be generated. In most cases, the material removed from the workplace will be significantly greater than the grinding wheel components. Coolants may produce other decomposition products.
For products containing Phenol and formaldehyde resin, thermal decomposition may produce trace amounts of phenol and formaldehyde.
For products containing inorganic fluorides, thermal decomposition may produce trace amounts of fluorides.

[To Top of page](#)**SECTION 11 : TOXICOLOGICAL INFORMATION**ALRESIN001
OUTBOUND**Applies to All Ingredients :**

Acute Health Effects: LD50: Values are not appropriate or available.

Inhalation Effects: LC50: Values are not appropriate or available.

Carcinogenicity: This product or its ingredients have not been identified as a carcinogen or probable carcinogen by NTP, IARC monographs, or OSHA.

[To Top of page](#)**SECTION 12 : ECOLOGICAL INFORMATION**ALRESIN001
OUTBOUND

CHEMICAL FATE: Resin bonded materials demonstrate similar degradation rates as Phenolic plastics.
Vitrified products do not appreciably decay.

[To Top of page](#)**SECTION 13 : DISPOSAL CONSIDERATIONS**ALRESIN001
OUTBOUND

Waste Disposal: Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.
Products with listed fluorides may have slightly soluble fluoride swarf.

[To Top of page](#)**SECTION 14 : TRANSPORT INFORMATION**ALRESIN001
OUTBOUND

DOT Shipping Information: HAZARD CLASS: This product is not hazardous as defined by the Department of Transportation. (USA)

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

[To Top of page](#)**SECTION 15 : REGULATORY INFORMATION**ALRESIN001
OUTBOUND**Applies to All Ingredients :**

TSCA 8(b): Inventory Status: All components of this product are registered under the regulations of the Toxic Substance Control Act.

State: CA PROP 65: Not Applicable.

Canada WHMIS: DOMESTIC SUBSTANCE LIST:
All components of this product are found on the Domestic Substance List.

Aluminum Oxide, Non-fibrous :

EXPOSURE LIMITS:
OSHA: 15.0000 MG/M3
ACGIH: 10.0000 MG/M3
MOL: 10.0000 MG/M3

Cured PhenolFormaldehyde Resin :

EXPOSURE LIMITS:
OSHA: 0.0000 PPM
ACGIH: 0.0000 PPM
MOL: 0.0000 PPM

Fiberglass :

EXPOSURE LIMITS:
OSHA: 1.0000 FBR/CC
ACGIH: 0.0000 FBR/CC

MOL: 0.0000 FBR/CC

Iron Disulfide :

EXPOSURE LIMITS:
OSHA: 10.0000 MG/M3
ACGIH: 10.0000 MG/M3
MOL: 10.0000 MG/M3

LEGEND: EXPOSURE LIMIT DESCRIPTIONS

[To Top of page](#)



SECTION 16 : ADDITIONAL INFORMATION

ALRESIN001
OUTBOUND

NFPA:

Health:	1
Fire Hazard:	0
Reactivity:	0
MSDS Revision Date:	1/24/2007

Disclaimer:

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, the Company makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.

KEY TO ABBREVIATIONS:

EQ=Equal
LT=Less Than
GT=Greater Than
AP=APproximately
TR=TRace
ND=No Data available

Copyright© 1996-2009 Actio Corporation. All Rights Reserved.

[To Top of page](#)

