

MATERIAL SAFETY DATA SHEET

DATE PRINTED: FEB 26, 2010
 MSDS NO. ALRESIN001 OUTBOUND
 Aluminum Oxide Resin Grinding Wheel

**SECTION 1. CHEMICAL PRODUCT/COMPANY INFO.**

PRODUCT NAME
 Aluminum Oxide Resin Grinding Wheel
 TRADE NAME
 Alundum Wheel
 MANUFACTURER(4)
 Saint-Gobain Abrasives, Inc.
 One New Bond Street
 Worcester, MA, 01606
 (508) 795-5000
 EMERGENCY TELEPHONE #1
 (508)-795-5000
 SUPPLIER
 Saint-Gobain Abrasives Canada, Inc.
 PO Box 3008
 Hamilton, Ont., Canada L8L 7Y5
 (905)547-2551
 PRODUCT USE
 Various grinding, polishing, cutting and sanding tasks
 REVISION DATE
 2/04/2010
 MSDS PRINT FORMAT
 NORTONCAN
 WHMIS HAZARD CLASS
 D2B

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Aluminum Oxide, Non-fibrous	90.000- 95.000	1344-28-1
Cured PhenolFormaldehyde Resin	3.000- 6.000	9003-35-4
Fiberglass	1.000- 3.000	65997-17-3
Iron Disulfide	1.000- 3.000	12068-85-8

OTHER

Not Applicable

DOMESTIC SUBSTANCE LIST

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

LD50/LC50

Values are not appropriate or available.

SECTION 3. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT STATE

Solid

APPEARANCE & ODOR

Solid article. Odorless.

ODOR THRESHOLD (ppm)

NA

SPECIFIC GRAVITY

NA

VAPOR PRESSURE (mm Hg)

NA

VAPOR DENSITY (Air = 1.0)

NA

EVAPORATION RATE

NA

BOILING POINT

F C

pH FACTOR

NA

COEFFICIENT OF OIL/WATER

NA

SECTION 4. FIRE FIGHTING MEASURES

FLASH POINT

F C NA

UPPER EXPLOSION LIMIT

NA

LOWER EXPLOSION LIMIT

NA

AUTO IGNITION TEMPERATURE

F C NA

EXTINGUISHING METHOD

Not Applicable

HAZARDOUS PRODUCTS/COMBUSTION

None.

OTHER FIRE + EXPLOSION HAZARDS

Not Applicable

SECTION 5. STABILITY AND REACTIVITY

STABILITY

Stable.

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 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.

SECTION 6. TOXICOLOGICAL INFORMATION

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.

SKIN CONTACT ACUTE EXPOSURE EFFECTS

Some may experience skin irritation from dust.

EYE CONTACT ACUTE EXPOSURE EFFECTS

Dust may irritate eyes.

INGESTION ACUTE EXPOSURE EFFECTS

No known adverse effects, but ingestion not recommended.

 EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	UNITS	OSHA	ACGIH	MOL
Aluminum Oxide, Non-fibrous	MG/M3	15.0000	10.0000	10.0000
Cured PhenolFormaldehyde Resin	PPM	0.0000	0.0000	0.0000
Fiberglass	FBR/CC	1.0000	0.0000	0.0000
Iron Disulfide	MG/M3	10.0000	10.0000	10.0000

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS

CARCINOGENICITY

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

SECTION 7. 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 when grinding.

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).

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.

WASTE DISPOSAL

Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.
Products with listed flourides may have slightly soluble flouride swarf.

SECTION 8. 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 9. OTHER INFORMATION**MSDS DATA SOURCE**

SUPPLIER MSDS

CREATED BY

W. E. Sass

CREATION DATE

8/29/1994

EMERGENCY TELEPHONE #2

(519) 684-7441

KEY TO ABBREVIATIONS:

EQ=Equal

AP=Approximately

=

LT=Less Than

TR=TRace

GT=Greater Than

ND=No Data available