

50497

**MATERIAL SAFETY DATA SHEET**

PART# 66252837101  
 DATE PRINTED: JUL 27, 2004  
 MSDS NO. ALVIT001 OUTBOUND  
 Aluminum Oxide Vitrified Product

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

PRODUCT NAME  
 Aluminum Oxide Vitrified Product  
 TRADE NAME  
 Alundum  
 MANUFACTURER(4)  
 Saint-Gobain Abrasives, Inc.  
 One New Bond Street  
 Worcester, MA, 01606  
 (508) 795-5000  
 REVISION DATE  
 6/11/2004  
 MSDS PRINT FORMAT  
 NUSA

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

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Aluminum Oxide, Non-fibrous	30.000- 97.000	1344-28-1
Amorphous Silica, Fused	2.000- 35.000	60676-86-0
OTHER		
Not Applicable		

**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  
 May affect breathing capacity. For products containing Amorphous Silica, Fused, there is limited evidence in animals that excessive and prolonged exposure to this chemical may cause pulmonary fibrosis.  
 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

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

**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 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).

**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, dusts and decomposing odors may be generated. In most cases,

the material removed from the workpiece 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 11. TOXICOLOGICAL INFORMATION**

##### CARCINOGENICITY

Silica, Amorphous, Fused - IARC-3, NIOSH-X

LD50/LC50

Values are not appropriate or available.

#### **SECTION 12. ECOLOGICAL INFORMATION**

##### CHEMICAL FATE

Vitrified products do not appreciably decay.

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

##### 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.

RECYCLING PROGRAM - the Company has developed a grinding wheel recycling program. If you are interested in returning your stubs, information can be obtained by dialing Customer Service.